

SCS Dublin - Unmitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Unmitigated Construction  
Alameda County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
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- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Trips - per trip gen table
- Woodstoves -
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00

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tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblGrading	MaterialImported	0.00	93,600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00

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tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44
tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

## Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4682	235.7711	184.1909	0.4062	76.4067	10.2471	86.6538	35.1492	9.4781	44.6272	0.0000	39,408.379 2	39,408.379 2	11.2239	0.2420	39,761.097 4
2024	97.6456	385.9055	421.5621	1.0351	108.2915	15.6576	123.2206	43.8171	14.5391	57.6878	0.0000	103,085.80 30	103,085.80 30	18.4451	3.4253	104,554.03 80
2025	89.3886	285.8876	373.8762	0.9453	68.6901	10.8211	79.5112	23.5360	10.0732	33.6092	0.0000	94,528.494 6	94,528.494 6	15.4227	3.3351	95,907.934 0
2026	105.7260	196.7089	302.1322	0.7473	33.2571	7.3460	40.6031	8.9529	6.8753	15.8281	0.0000	75,321.563 6	75,321.563 6	9.8834	3.0764	76,485.407 1
2027	49.8239	78.3209	114.2767	0.3518	21.0488	2.4339	23.4827	5.6708	2.2966	7.9674	0.0000	36,081.696 4	36,081.696 4	2.8707	1.9821	36,744.129 2
2028	44.6172	40.2731	59.7493	0.1819	11.3049	1.2687	12.5736	3.0424	1.2000	4.2424	0.0000	18,696.460 5	18,696.460 5	1.4513	0.9806	19,024.947 2
Maximum	105.7260	385.9055	421.5621	1.0351	108.2915	15.6576	123.2206	43.8171	14.5391	57.6878	0.0000	103,085.80 30	103,085.80 30	18.4451	3.4253	104,554.03 80

## Mitigated Construction

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4682	235.7711	184.1909	0.4062	33.5426	10.2471	43.7897	15.2629	9.4781	24.7410	0.0000	39,408.3792	39,408.3792	11.2239	0.2420	39,761.0974
2024	97.6456	385.9055	421.5621	1.0351	64.1828	15.6576	79.1120	23.5877	14.5391	37.4585	0.0000	103,085.8029	103,085.8029	18.4451	3.4253	104,554.0380
2025	89.3886	285.8876	373.8762	0.9453	47.1038	10.8211	57.9249	14.8776	10.0732	24.9509	0.0000	94,528.4946	94,528.4946	15.4227	3.3351	95,907.9340
2026	105.7260	196.7089	302.1322	0.7473	31.5775	7.3460	38.9235	8.5406	6.8753	15.4159	0.0000	75,321.5636	75,321.5636	9.8834	3.0764	76,485.4071
2027	49.8239	78.3209	114.2767	0.3518	19.9876	2.4339	22.4215	5.4103	2.2966	7.7069	0.0000	36,081.6964	36,081.6964	2.8707	1.9821	36,744.1292
2028	44.6172	40.2731	59.7493	0.1819	10.7336	1.2687	12.0023	2.9022	1.2000	4.1022	0.0000	18,696.4605	18,696.4605	1.4513	0.9806	19,024.9472
Maximum	105.7260	385.9055	421.5621	1.0351	64.1828	15.6576	79.1120	23.5877	14.5391	37.4585	0.0000	103,085.8029	103,085.8029	18.4451	3.4253	104,554.0380

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.07	0.00	30.56	41.26	0.00	30.24	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.0401	56,914.0401	2.8522	2.4998	57,730.2804
Total	418.0318	42.0473	753.0355	1.4799	62.5350	68.1625	130.6975	16.6572	68.1383	84.7955	7,242.1739	67,747.0313	74,989.2052	12.6056	3.1572	76,245.1860

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.0401	56,914.0401	2.8522	2.4998	57,730.2804
Total	418.0318	42.0473	753.0355	1.4799	62.5350	68.1625	130.6975	16.6572	68.1383	84.7955	7,242.1739	67,747.0313	74,989.2052	12.6056	3.1572	76,245.1860

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	
10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393	

**Acres of Grading (Site Preparation Phase): 1176****Acres of Grading (Grading Phase): 6550****Acres of Paving: 18.29****Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Area:****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20

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Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560		7,493.9680	7,493.9680	2.0987		7,546.4366
<b>Total</b>	<b>4.5382</b>	<b>42.9688</b>	<b>39.2867</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9951</b>	<b>2.6944</b>	<b>0.1059</b>	<b>1.8560</b>	<b>1.9619</b>		<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>		<b>7,546.4366</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8600e-003	0.4091	0.0958	1.9200e-003	0.0566	3.6200e-003	0.0602	0.0155	3.4600e-003	0.0190		207.5010	207.5010	4.4100e-003	0.0328	217.3806
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.0834	0.0475	0.7207	2.1600e-003	0.2464	1.2400e-003	0.2477	0.0654	1.1400e-003	0.0665		220.5665	220.5665	5.6600e-003	5.2600e-003	222.2753
<b>Total</b>	<b>0.0903</b>	<b>0.4565</b>	<b>0.8165</b>	<b>4.0800e-003</b>	<b>0.3031</b>	<b>4.8600e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.6000e-003</b>	<b>0.0855</b>		<b>428.0675</b>	<b>428.0675</b>	<b>0.0101</b>	<b>0.0380</b>	<b>439.6559</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560	0.0000	7,493.9680	7,493.9680	2.0987		7,546.4366
<b>Total</b>	<b>4.5382</b>	<b>42.9688</b>	<b>39.2867</b>	<b>0.0777</b>	<b>0.2990</b>	<b>1.9951</b>	<b>2.2940</b>	<b>0.0453</b>	<b>1.8560</b>	<b>1.9012</b>	<b>0.0000</b>	<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>		<b>7,546.4366</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8600e-003	0.4091	0.0958	1.9200e-003	0.0541	3.6200e-003	0.0577	0.0149	3.4600e-003	0.0184		207.5010	207.5010	4.4100e-003	0.0328	217.3806
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0834	0.0475	0.7207	2.1600e-003	0.2336	1.2400e-003	0.2348	0.0622	1.1400e-003	0.0634		220.5665	220.5665	5.6600e-003	5.2600e-003	222.2753
<b>Total</b>	<b>0.0903</b>	<b>0.4565</b>	<b>0.8165</b>	<b>4.0800e-003</b>	<b>0.2876</b>	<b>4.8600e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.6000e-003</b>	<b>0.0817</b>		<b>428.0675</b>	<b>428.0675</b>	<b>0.0101</b>	<b>0.0380</b>	<b>439.6559</b>

**3.2 Demolition - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844		7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9203</b>	<b>2.6196</b>	<b>0.1059</b>	<b>1.7844</b>	<b>1.8903</b>		<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8500e-003	0.4109	0.0962	1.8900e-003	0.0566	3.6500e-003	0.0603	0.0155	3.4900e-003	0.0190		204.4598	204.4598	4.4400e-003	0.0323	214.1984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0865		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0847</b>	<b>0.4533</b>	<b>0.7677</b>	<b>3.9800e-003</b>	<b>0.3031</b>	<b>4.8300e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.5700e-003</b>	<b>0.0855</b>		<b>419.5541</b>	<b>419.5541</b>	<b>9.5600e-003</b>	<b>0.0372</b>	<b>430.8824</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844	0.0000	7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.2990</b>	<b>1.9203</b>	<b>2.2193</b>	<b>0.0453</b>	<b>1.7844</b>	<b>1.8297</b>	<b>0.0000</b>	<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8500e-003	0.4109	0.0962	1.8900e-003	0.0541	3.6500e-003	0.0577	0.0149	3.4900e-003	0.0184		204.4598	204.4598	4.4400e-003	0.0323	214.1984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0847</b>	<b>0.4533</b>	<b>0.7677</b>	<b>3.9800e-003</b>	<b>0.2876</b>	<b>4.8300e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.5700e-003</b>	<b>0.0817</b>		<b>419.5541</b>	<b>419.5541</b>	<b>9.5600e-003</b>	<b>0.0372</b>	<b>430.8824</b>

**3.3 Site Preparation - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0484</b>	<b>36.4886</b>	<b>0.0761</b>	<b>39.3140</b>	<b>2.5320</b>	<b>41.8461</b>	<b>20.2049</b>	<b>2.3295</b>	<b>22.5344</b>		<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000



## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.0973	0.0554	0.8408	2.5100e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776		257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212
<b>Total</b>	<b>0.0973</b>	<b>0.0554</b>	<b>0.8408</b>	<b>2.5100e-003</b>	<b>0.2875</b>	<b>1.4400e-003</b>	<b>0.2890</b>	<b>0.0763</b>	<b>1.3300e-003</b>	<b>0.0776</b>		<b>257.3276</b>	<b>257.3276</b>	<b>6.6000e-003</b>	<b>6.1400e-003</b>	<b>259.3212</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	5.3189	55.0483	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295	0.0000	7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0483</b>	<b>36.4886</b>	<b>0.0761</b>	<b>16.8067</b>	<b>2.5320</b>	<b>19.3388</b>	<b>8.6376</b>	<b>2.3295</b>	<b>10.9671</b>	<b>0.0000</b>	<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0973	0.0554	0.8408	2.5100e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212
<b>Total</b>	<b>0.0973</b>	<b>0.0554</b>	<b>0.8408</b>	<b>2.5100e-003</b>	<b>0.2725</b>	<b>1.4400e-003</b>	<b>0.2740</b>	<b>0.0726</b>	<b>1.3300e-003</b>	<b>0.0739</b>		<b>257.3276</b>	<b>257.3276</b>	<b>6.6000e-003</b>	<b>6.1400e-003</b>	<b>259.3212</b>

**3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
<b>Total</b>	<b>5.3218</b>	<b>54.3520</b>	<b>36.6713</b>	<b>0.0762</b>	<b>39.3140</b>	<b>2.4587</b>	<b>41.7727</b>	<b>20.2049</b>	<b>2.2620</b>	<b>22.4669</b>		<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>		<b>7,435.6588</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588
<b>Total</b>	<b>5.3218</b>	<b>54.3520</b>	<b>36.6713</b>	<b>0.0762</b>	<b>16.8067</b>	<b>2.4587</b>	<b>19.2654</b>	<b>8.6376</b>	<b>2.2620</b>	<b>10.8996</b>	<b>0.0000</b>	<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>		<b>7,435.6588</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

**3.4 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471		16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.2903</b>	<b>38.9998</b>	<b>14.3885</b>	<b>3.9471</b>	<b>18.3355</b>		<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.2607	0.5294	0.0106	0.3129	0.0200	0.3329	0.0858	0.0191	0.1049		1,146.8058	1,146.8058	0.0244	0.1812	1,201.4079
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.1391	0.0791	1.2011	3.5900e-003	0.4107	2.0600e-003	0.4128	0.1090	1.9000e-003	0.1108		367.6109	367.6109	9.4300e-003	8.7700e-003	370.4589
<b>Total</b>	<b>0.1770</b>	<b>2.3399</b>	<b>1.7305</b>	<b>0.0142</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0210</b>	<b>0.2158</b>		<b>1,514.4167</b>	<b>1,514.4167</b>	<b>0.0338</b>	<b>0.1900</b>	<b>1,571.8668</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471	0.0000	16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.2903</b>	<b>19.1286</b>	<b>6.1511</b>	<b>3.9471</b>	<b>10.0981</b>	<b>0.0000</b>	<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.2607	0.5294	0.0106	0.2987	0.0200	0.3187	0.0823	0.0191	0.1015		1,146.8058	1,146.8058	0.0244	0.1812	1,201.4079
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1391	0.0791	1.2011	3.5900e-003	0.3893	2.0600e-003	0.3914	0.1037	1.9000e-003	0.1056		367.6109	367.6109	9.4300e-003	8.7700e-003	370.4589
<b>Total</b>	<b>0.1770</b>	<b>2.3399</b>	<b>1.7305</b>	<b>0.0142</b>	<b>0.6880</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2070</b>		<b>1,514.4167</b>	<b>1,514.4167</b>	<b>0.0338</b>	<b>0.1900</b>	<b>1,571.8668</b>

**3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286		16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.0528</b>	<b>38.7623</b>	<b>14.3885</b>	<b>3.7286</b>	<b>18.1170</b>		<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	2.2710	0.5318	0.0105	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,129.9978	1,129.9978	0.0246	0.1786	1,183.8204
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.1297	0.0707	1.1191	3.4800e-003	0.4107	1.9600e-003	0.4127	0.1090	1.8100e-003	0.1108		358.4904	358.4904	8.5300e-003	8.1800e-003	361.1401
<b>Total</b>	<b>0.1676</b>	<b>2.3416</b>	<b>1.6509</b>	<b>0.0140</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7458</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2159</b>		<b>1,488.4882</b>	<b>1,488.4882</b>	<b>0.0331</b>	<b>0.1867</b>	<b>1,544.9605</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286	0.0000	16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.0528</b>	<b>18.8911</b>	<b>6.1511</b>	<b>3.7286</b>	<b>9.8796</b>	<b>0.0000</b>	<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	2.2710	0.5318	0.0105	0.2987	0.0202	0.3189	0.0823	0.0193	0.1016		1,129.9978	1,129.9978	0.0246	0.1786	1,183.8204
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1297	0.0707	1.1191	3.4800e-003	0.3893	1.9600e-003	0.3913	0.1037	1.8100e-003	0.1055		358.4904	358.4904	8.5300e-003	8.1800e-003	361.1401
<b>Total</b>	<b>0.1676</b>	<b>2.3416</b>	<b>1.6509</b>	<b>0.0140</b>	<b>0.6881</b>	<b>0.0221</b>	<b>0.7102</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2071</b>		<b>1,488.4882</b>	<b>1,488.4882</b>	<b>0.0331</b>	<b>0.1867</b>	<b>1,544.9605</b>

## 3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706		16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>34.7095</b>	<b>3.4463</b>	<b>38.1558</b>	<b>14.3885</b>	<b>3.1706</b>	<b>17.5590</b>		<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0377	2.2633	0.5327	0.0103	0.3129	0.0201	0.3331	0.0858	0.0193	0.1051		1,109.2451	1,109.2451	0.0247	0.1753	1,162.1022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.1217	0.0637	1.0486	3.3600e-003	0.4107	1.8800e-003	0.4126	0.1090	1.7300e-003	0.1107		349.8592	349.8592	7.7400e-003	7.6700e-003	352.3379
<b>Total</b>	<b>0.1594</b>	<b>2.3269</b>	<b>1.5813</b>	<b>0.0136</b>	<b>0.7237</b>	<b>0.0220</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0210</b>	<b>0.2158</b>		<b>1,459.1043</b>	<b>1,459.1043</b>	<b>0.0324</b>	<b>0.1830</b>	<b>1,514.4401</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706	0.0000	16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>14.8383</b>	<b>3.4463</b>	<b>18.2846</b>	<b>6.1511</b>	<b>3.1706</b>	<b>9.3217</b>	<b>0.0000</b>	<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0377	2.2633	0.5327	0.0103	0.2988	0.0201	0.3189	0.0823	0.0193	0.1016		1,109.2451	1,109.2451	0.0247	0.1753	1,162.1022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1217	0.0637	1.0486	3.3600e-003	0.3893	1.8800e-003	0.3912	0.1037	1.7300e-003	0.1054		349.8592	349.8592	7.7400e-003	7.6700e-003	352.3379
<b>Total</b>	<b>0.1594</b>	<b>2.3269</b>	<b>1.5813</b>	<b>0.0136</b>	<b>0.6881</b>	<b>0.0220</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2070</b>		<b>1,459.1043</b>	<b>1,459.1043</b>	<b>0.0324</b>	<b>0.1830</b>	<b>1,514.4401</b>

**3.5 Infrastructure (Trenching) - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
<b>Total</b>	<b>3.1455</b>	<b>28.7698</b>	<b>32.4880</b>	<b>0.0539</b>		<b>1.3995</b>	<b>1.3995</b>		<b>1.3169</b>	<b>1.3169</b>		<b>5,110.4199</b>	<b>5,110.4199</b>	<b>1.2157</b>		<b>5,140.8121</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1252	0.0712	1.0810	3.2300e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Total	0.1252	0.0712	1.0810	3.2300e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130
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**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1252	0.0712	1.0810	3.2300e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130
Total	0.1252	0.0712	1.0810	3.2300e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130

**3.5 Infrastructure (Trenching) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1168	0.0636	1.0072	3.1300e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261
Total	0.1168	0.0636	1.0072	3.1300e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1168	0.0636	1.0072	3.1300e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261
<b>Total</b>	<b>0.1168</b>	<b>0.0636</b>	<b>1.0072</b>	<b>3.1300e-003</b>	<b>0.3504</b>	<b>1.7700e-003</b>	<b>0.3522</b>	<b>0.0933</b>	<b>1.6300e-003</b>	<b>0.0950</b>		<b>322.6414</b>	<b>322.6414</b>	<b>7.6800e-003</b>	<b>7.3600e-003</b>	<b>325.0261</b>

**3.5 Infrastructure (Trenching) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1095	0.0573	0.9438	3.0200e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041
<b>Total</b>	<b>0.1095</b>	<b>0.0573</b>	<b>0.9438</b>	<b>3.0200e-003</b>	<b>0.3697</b>	<b>1.6900e-003</b>	<b>0.3714</b>	<b>0.0981</b>	<b>1.5600e-003</b>	<b>0.0996</b>		<b>314.8733</b>	<b>314.8733</b>	<b>6.9700e-003</b>	<b>6.9000e-003</b>	<b>317.1041</b>

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1095	0.0573	0.9438	3.0200e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041
<b>Total</b>	<b>0.1095</b>	<b>0.0573</b>	<b>0.9438</b>	<b>3.0200e-003</b>	<b>0.3504</b>	<b>1.6900e-003</b>	<b>0.3521</b>	<b>0.0933</b>	<b>1.5600e-003</b>	<b>0.0949</b>		<b>314.8733</b>	<b>314.8733</b>	<b>6.9700e-003</b>	<b>6.9000e-003</b>	<b>317.1041</b>

**3.5 Infrastructure (Trenching) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0522	0.8909	2.9300e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		307.6301	307.6301	6.3600e-003	6.5200e-003	309.7333
<b>Total</b>	<b>0.1032</b>	<b>0.0522</b>	<b>0.8909</b>	<b>2.9300e-003</b>	<b>0.3697</b>	<b>1.6100e-003</b>	<b>0.3713</b>	<b>0.0981</b>	<b>1.4800e-003</b>	<b>0.0995</b>		<b>307.6301</b>	<b>307.6301</b>	<b>6.3600e-003</b>	<b>6.5200e-003</b>	<b>309.7333</b>

**Mitigated Construction On-Site**



## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0522	0.8909	2.9300e-003	0.3504	1.6100e-003	0.3520	0.0933	1.4800e-003	0.0948		307.6301	307.6301	6.3600e-003	6.5200e-003	309.7333
<b>Total</b>	<b>0.1032</b>	<b>0.0522</b>	<b>0.8909</b>	<b>2.9300e-003</b>	<b>0.3504</b>	<b>1.6100e-003</b>	<b>0.3520</b>	<b>0.0933</b>	<b>1.4800e-003</b>	<b>0.0948</b>		<b>307.6301</b>	<b>307.6301</b>	<b>6.3600e-003</b>	<b>6.5200e-003</b>	<b>309.7333</b>

**3.6 Building Construction (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684		9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>		<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.7439</b>	<b>0.1131</b>	<b>9.8570</b>	<b>2.6284</b>	<b>0.1069</b>	<b>2.7352</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**Mitigated Construction On-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684	0.0000	9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>	<b>0.0000</b>	<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.6 Building Construction (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096	9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>	<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**3.6 Building Construction (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**3.7 Paving (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839		4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>		<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839	0.0000	4,977.9905	4,977.9905	1.4596		5,014.4812

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>	<b>0.0000</b>	<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

**3.7 Paving (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0852	0.0446	0.7340	2.3500e-003	0.2875	1.3100e-003	0.2888	0.0763	1.2100e-003	0.0775		244.9014	244.9014	5.4200e-003	5.3700e-003	246.6366
<b>Total</b>	<b>0.0852</b>	<b>0.0446</b>	<b>0.7340</b>	<b>2.3500e-003</b>	<b>0.2875</b>	<b>1.3100e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.2100e-003</b>	<b>0.0775</b>		<b>244.9014</b>	<b>244.9014</b>	<b>5.4200e-003</b>	<b>5.3700e-003</b>	<b>246.6366</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0852	0.0446	0.7340	2.3500e-003	0.2725	1.3100e-003	0.2738	0.0726	1.2100e-003	0.0738		244.9014	244.9014	5.4200e-003	5.3700e-003	246.6366
<b>Total</b>	<b>0.0852</b>	<b>0.0446</b>	<b>0.7340</b>	<b>2.3500e-003</b>	<b>0.2725</b>	<b>1.3100e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.2100e-003</b>	<b>0.0738</b>		<b>244.9014</b>	<b>244.9014</b>	<b>5.4200e-003</b>	<b>5.3700e-003</b>	<b>246.6366</b>

**3.7 Paving (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0803	0.0406	0.6929	2.2800e-003	0.2875	1.2500e-003	0.2888	0.0763	1.1500e-003	0.0774		239.2679	239.2679	4.9400e-003	5.0700e-003	240.9037
<b>Total</b>	<b>0.0803</b>	<b>0.0406</b>	<b>0.6929</b>	<b>2.2800e-003</b>	<b>0.2875</b>	<b>1.2500e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.1500e-003</b>	<b>0.0774</b>		<b>239.2679</b>	<b>239.2679</b>	<b>4.9400e-003</b>	<b>5.0700e-003</b>	<b>240.9037</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0803	0.0406	0.6929	2.2800e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		239.2679	239.2679	4.9400e-003	5.0700e-003	240.9037
<b>Total</b>	<b>0.0803</b>	<b>0.0406</b>	<b>0.6929</b>	<b>2.2800e-003</b>	<b>0.2725</b>	<b>1.2500e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.1500e-003</b>	<b>0.0737</b>		<b>239.2679</b>	<b>239.2679</b>	<b>4.9400e-003</b>	<b>5.0700e-003</b>	<b>240.9037</b>

**3.8 Building Construction (Apartment) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0630	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.7439</b>	<b>0.1131</b>	<b>9.8570</b>	<b>2.6284</b>	<b>0.1069</b>	<b>2.7352</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8947
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.8 Building Construction (Apartment) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>



## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**3.8 Building Construction (Apartment) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**3.8 Building Construction (Apartment) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.9318	0.0750	2.0068	0.5562	0.0718	0.6280		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.7440</b>	<b>0.1071</b>	<b>9.8511</b>	<b>2.6284</b>	<b>0.1013</b>	<b>2.7297</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.8492	0.0750	1.9243	0.5360	0.0718	0.6077		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.2541</b>	<b>0.1071</b>	<b>9.3612</b>	<b>2.5082</b>	<b>0.1013</b>	<b>2.6095</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**3.9 Building Construction (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.7439</b>	<b>0.1131</b>	<b>9.8570</b>	<b>2.6284</b>	<b>0.1069</b>	<b>2.7352</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8947
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.9 Building Construction (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085	6,872.5829	5,872.5829	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051	6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>	<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**3.9 Building Construction (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082	5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770	
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035	6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974	
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>	<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>	

**3.9 Building Construction (For Sale) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.9318	0.0750	2.0068	0.5562	0.0718	0.6280	5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615	
Worker	2.0598	1.0118	17.8801	0.0601	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017	6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260	
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.7440</b>	<b>0.1071</b>	<b>9.8511</b>	<b>2.6284</b>	<b>0.1013</b>	<b>2.7297</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.8492	0.0750	1.9243	0.5360	0.0718	0.6077	5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615	

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	2.0598	1.0118	17.8801	0.0601	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		6,362.0496	6,362.0496	0.1231	0.1312	5,404.2260
Total	2.3323	12.9745	21.3738	0.1130	9.2541	0.1071	9.3612	2.5082	0.1013	2.6095		12,010.9155	12,010.9155	0.2058	0.9779	12,307.4874

## 3.9 Building Construction (For Sale) - 2028

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2689	11.9203	3.4634	0.0518	1.9318	0.0745	2.0063	0.5563	0.0713	0.6275		5,536.0965	5,536.0965	0.0825	0.8299	5,785.4570
Worker	1.9465	0.9355	17.0850	0.0585	7.8122	0.0301	7.8423	2.0722	0.0277	2.0999		6,238.1928	6,238.1928	0.1135	0.1256	6,278.4589
Total	2.2153	12.8559	20.5483	0.1103	9.7441	0.1046	9.8486	2.6284	0.0989	2.7274		11,774.2890	11,774.2890	0.1960	0.9555	12,063.9160

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2689	11.9203	3.4634	0.0518	1.8493	0.0745	1.9238	0.5360	0.0713	0.6073		5,536.0965	5,536.0965	0.0825	0.8299	5,785.4570
Worker	1.9465	0.9355	17.0850	0.0585	7.4049	0.0301	7.4349	1.9722	0.0277	1.9999		6,238.1928	6,238.1928	0.1135	0.1256	6,278.4589

SCS Dublin - Unmitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.2153	12.8559	20.5483	0.1103	9.2542	0.1046	9.3587	2.5082	0.0989	2.6071		11,774.2890	11,774.2890	0.1960	0.9555	12,063.9160
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3.10 Paving (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0986	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
Total	0.0778	0.0424	0.6714	2.0900e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621	0.0000	4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0986	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621	0.0000	4,415.0944	4,415.0944	1.4279		4,450.7927

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841



## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Total	0.0778	0.0424	0.6714	2.0900e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
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**3.10 Paving (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0382	0.6292	2.0100e-003	0.2464	1.1300e-003	0.2476	0.0654	1.0400e-003	0.0664		209.9155	209.9155	4.6400e-003	4.6000e-003	211.4028
<b>Total</b>	<b>0.0730</b>	<b>0.0382</b>	<b>0.6292</b>	<b>2.0100e-003</b>	<b>0.2464</b>	<b>1.1300e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0400e-003</b>	<b>0.0664</b>		<b>209.9155</b>	<b>209.9155</b>	<b>4.6400e-003</b>	<b>4.6000e-003</b>	<b>211.4028</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0382	0.6292	2.0100e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		209.9155	209.9155	4.6400e-003	4.6000e-003	211.4028

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0730	0.0382	0.6292	2.0100e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		209.9155	209.9155	4.6400e-003	4.6000e-003	211.4028
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## 3.10 Paving (For Sale) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0348	0.5939	1.9500e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889
<b>Total</b>	<b>0.0688</b>	<b>0.0348</b>	<b>0.5939</b>	<b>1.9500e-003</b>	<b>0.2464</b>	<b>1.0700e-003</b>	<b>0.2475</b>	<b>0.0654</b>	<b>9.9000e-004</b>	<b>0.0664</b>		<b>205.0867</b>	<b>205.0867</b>	<b>4.2400e-003</b>	<b>4.3500e-003</b>	<b>206.4889</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0348	0.5939	1.9500e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889

SCS Dublin - Unmitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0688	0.0348	0.5939	1.9500e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889
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3.11 Arch Coating (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
Total	27.3969	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
Total	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
Total	27.3969	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
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## 3.11 Arch Coating (Commercial) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
Total	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
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## 3.11 Arch Coating (Commercial) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629

SCS Dublin - Unmitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
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3.12 Arch Coating (Apartments) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
Total	27.3969	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
Total	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
Total	27.3969	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
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## 3.12 Arch Coating (Apartments) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
Total	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
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## 3.12 Arch Coating (Apartments) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629



## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
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## 3.13 Arch Coating (For Sale) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
Total	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
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## 3.13 Arch Coating (For Sale) - 2027

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4115	0.2021	3.5723	0.0120	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984
Total	0.4115	0.2021	3.5723	0.0120	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4115	0.2021	3.5723	0.0120	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Total	0.4115	0.2021	3.5723	0.0120	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984
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**3.13 Arch Coating (For Sale) - 2028****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3889	0.1869	3.4134	0.0117	1.5608	6.0100e-003	1.5668	0.4140	5.5300e-003	0.4195		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714
<b>Total</b>	<b>0.3889</b>	<b>0.1869</b>	<b>3.4134</b>	<b>0.0117</b>	<b>1.5608</b>	<b>6.0100e-003</b>	<b>1.5668</b>	<b>0.4140</b>	<b>5.5300e-003</b>	<b>0.4195</b>		<b>1,246.3266</b>	<b>1,246.3266</b>	<b>0.0227</b>	<b>0.0251</b>	<b>1,254.3714</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3889	0.1869	3.4134	0.0117	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714

SCS Dublin - Unmitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.3889	0.1869	3.4134	0.0117	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.040	56,914.040	2.8522	2.4998	57,730.280
Unmitigated	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.040	56,914.040	2.8522	2.4998	57,730.280

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,345.50	1,345.50	1345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3,214	3,214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	2,933.82	2,933.82	2933.82	8,178,699	8,178,699
Single Family Housing	780.00	780.00	780.00	2,028,892	2,028,892
Total	10,984.62	10,984.62	10,984.62	29,690,396	29,690,396

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

## SCS Dublin - Unmitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
NaturalGas Unmitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8955.77	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5201.53	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6814.36	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit-Down Restaurant)	10221.5	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24454.9	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1038.58	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10943.6	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387
<b>Total</b>		<b>0.7293</b>	<b>6.4828</b>	<b>4.4868</b>	<b>0.0398</b>		<b>0.5039</b>	<b>0.5039</b>		<b>0.5039</b>	<b>0.5039</b>		<b>7,956.5026</b>	<b>7,956.5026</b>	<b>0.1525</b>	<b>0.1459</b>	<b>8,003.7841</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.95577	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5.20153	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6.81436	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit-Down Restaurant)	10.2215	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24.4549	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.03858	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10.9436	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387

SCS Dublin - Unmitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		0.7293	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216
Unmitigated	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	361.0777	7.5390	472.7212	0.9020		66.9972	66.9972		66.9972	66.9972	7,242.1739	2,779.4118	10,021.5857	9.5071	0.5115	10,411.6993
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	361.0777	7.5390	472.7212	0.9020		66.9972	66.9972		66.9972	66.9972	7,242.1739	2,779.4118	10,021.5857	9.5071	0.5115	10,411.6993
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet

SCS Dublin - Unmitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SCS Dublin - Unmitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Unmitigated Construction  
Alameda County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Trips - per trip gen table
- Woodstoves -
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00



## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblGrading	MaterialImported	0.00	93,600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44
tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

## Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4726	235.9893	184.0495	0.4054	76.4067	10.2471	86.6538	35.1492	9.4781	44.6273	0.0000	39,325.5122	39,325.5122	11.2280	0.2467	39,679.7133
2024	97.7761	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.8900	101,358.8900	18.5182	3.5197	102,857.3160
2025	89.5276	289.2111	371.9140	0.9294	68.6901	10.8218	79.5119	23.5360	10.0739	33.6099	0.0000	92,864.3291	92,864.3291	15.4986	3.4228	94,271.7877
2026	105.8410	199.7836	300.4635	0.7320	33.2571	7.3466	40.6037	8.9529	6.8759	15.8288	0.0000	73,721.4325	73,721.4325	9.9529	3.1579	74,911.3086
2027	49.9217	80.2771	113.3767	0.3425	21.0488	2.4343	23.4832	5.6708	2.2970	7.9678	0.0000	35,104.0218	35,104.0218	2.9112	2.0309	35,782.0032
2028	44.6733	41.2508	59.3027	0.1770	11.3049	1.2689	12.5738	3.0424	1.2002	4.2426	0.0000	18,173.0300	18,173.0300	1.4719	1.0058	18,509.5680
Maximum	105.8410	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.8900	101,358.8900	18.5182	3.5197	102,857.3160

## Mitigated Construction

SCS Dublin - Unmitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4726	235.9893	184.0495	0.4054	33.5426	10.2471	43.7897	15.2629	9.4781	24.7410	0.0000	39,325.5121	39,325.5121	11.2280	0.2467	39,679.7133
2024	97.7761	389.2552	419.2025	1.0184	64.1828	15.6583	79.1128	23.5877	14.5399	37.4592	0.0000	101,358.8899	101,358.8899	18.5182	3.5197	102,857.3159
2025	89.5276	289.2111	371.9140	0.9294	47.1038	10.8218	57.9256	14.8776	10.0739	24.9515	0.0000	92,864.3290	92,864.3290	15.4986	3.4228	94,271.7876
2026	105.8410	199.7836	300.4635	0.7320	31.5775	7.3466	38.9242	8.5406	6.8759	15.4165	0.0000	73,721.4325	73,721.4325	9.9529	3.1579	74,911.3085
2027	49.9217	80.2771	113.3767	0.3425	19.9876	2.4343	22.4220	5.4103	2.2970	7.7073	0.0000	35,104.0218	35,104.0218	2.9112	2.0309	35,782.0032
2028	44.6733	41.2508	59.3027	0.1770	10.7336	1.2689	12.0025	2.9022	1.2002	4.1024	0.0000	18,173.0300	18,173.0300	1.4719	1.0058	18,509.5680
Maximum	105.8410	389.2552	419.2025	1.0184	64.1828	15.6583	79.1128	23.5877	14.5399	37.4592	0.0000	101,358.8899	101,358.8899	18.5182	3.5197	102,857.3159

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.07	0.00	30.56	41.26	0.00	30.24	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.1315	53,780.1315	3.1926	2.7075	54,666.7721
Total	415.3765	45.8010	768.5724	1.4506	62.5350	68.1627	130.6977	16.6572	68.1385	84.7957	7,242.1739	64,613.1227	71,855.2966	12.9460	3.3649	73,181.6778

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.1315	53,780.1315	3.1926	2.7075	54,666.7721
Total	415.3765	45.8010	768.5724	1.4506	62.5350	68.1627	130.6977	16.6572	68.1385	84.7957	7,242.1739	64,613.1227	71,855.2966	12.9460	3.3649	73,181.6778

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	
10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393	

Acres of Grading (Site Preparation Phase): 1176

Acres of Grading (Grading Phase): 6550

Acres of Paving: 18.29

Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Area:

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

## 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

## 3.2 Demolition - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560		7,493.9680	7,493.9680	2.0987		7,546.4366
<b>Total</b>	<b>4.5382</b>	<b>42.9688</b>	<b>39.2867</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9951</b>	<b>2.6944</b>	<b>0.1059</b>	<b>1.8560</b>	<b>1.9619</b>		<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>		<b>7,546.4366</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4100e-003	0.4331	0.0972	1.9300e-003	0.0566	3.6200e-003	0.0602	0.0155	3.4700e-003	0.0190		207.7288	207.7288	4.3900e-003	0.0328	217.6189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0848	0.0590	0.6924	2.0000e-003	0.2464	1.2400e-003	0.2477	0.0654	1.1400e-003	0.0665		204.7502	204.7502	6.4600e-003	6.0800e-003	206.7242
<b>Total</b>	<b>0.0912</b>	<b>0.4921</b>	<b>0.7896</b>	<b>3.9300e-003</b>	<b>0.3031</b>	<b>4.8600e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.6100e-003</b>	<b>0.0855</b>		<b>412.4790</b>	<b>412.4790</b>	<b>0.0109</b>	<b>0.0389</b>	<b>424.3431</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560	0.0000	7,493.9680	7,493.9680	2.0987		7,546.4366
<b>Total</b>	<b>4.5382</b>	<b>42.9688</b>	<b>39.2867</b>	<b>0.0777</b>	<b>0.2990</b>	<b>1.9951</b>	<b>2.2940</b>	<b>0.0453</b>	<b>1.8560</b>	<b>1.9012</b>	<b>0.0000</b>	<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>		<b>7,546.4366</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4100e-003	0.4331	0.0972	1.9300e-003	0.0541	3.6200e-003	0.0577	0.0149	3.4700e-003	0.0184		207.7288	207.7288	4.3900e-003	0.0328	217.6189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0848	0.0590	0.6924	2.0000e-003	0.2336	1.2400e-003	0.2348	0.0622	1.1400e-003	0.0634		204.7502	204.7502	6.4600e-003	6.0800e-003	206.7242
<b>Total</b>	<b>0.0912</b>	<b>0.4921</b>	<b>0.7896</b>	<b>3.9300e-003</b>	<b>0.2876</b>	<b>4.8600e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.6100e-003</b>	<b>0.0817</b>		<b>412.4790</b>	<b>412.4790</b>	<b>0.0109</b>	<b>0.0389</b>	<b>424.3431</b>

**3.2 Demolition - 2024**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844		7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9203</b>	<b>2.6196</b>	<b>0.1059</b>	<b>1.7844</b>	<b>1.8903</b>		<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4000e-003	0.4351	0.0976	1.9000e-003	0.0566	3.6600e-003	0.0603	0.0155	3.5000e-003	0.0190		204.6850	204.6850	4.4200e-003	0.0323	214.4339
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0858</b>	<b>0.4877</b>	<b>0.7451</b>	<b>3.8400e-003</b>	<b>0.3031</b>	<b>4.8400e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.5800e-003</b>	<b>0.0855</b>		<b>404.3884</b>	<b>404.3884</b>	<b>0.0103</b>	<b>0.0380</b>	<b>415.9737</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844	0.0000	7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.2990</b>	<b>1.9203</b>	<b>2.2193</b>	<b>0.0453</b>	<b>1.7844</b>	<b>1.8297</b>	<b>0.0000</b>	<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4000e-003	0.4351	0.0976	1.9000e-003	0.0541	3.6600e-003	0.0577	0.0149	3.5000e-003	0.0184		204.6850	204.6850	4.4200e-003	0.0323	214.4339
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0858</b>	<b>0.4877</b>	<b>0.7451</b>	<b>3.8400e-003</b>	<b>0.2876</b>	<b>4.8400e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.5800e-003</b>	<b>0.0817</b>		<b>404.3884</b>	<b>404.3884</b>	<b>0.0103</b>	<b>0.0380</b>	<b>415.9737</b>

**3.3 Site Preparation - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0484</b>	<b>36.4886</b>	<b>0.0761</b>	<b>39.3140</b>	<b>2.5320</b>	<b>41.8461</b>	<b>20.2049</b>	<b>2.3295</b>	<b>22.5344</b>		<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0989	0.0688	0.8078	2.3300e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782
<b>Total</b>	<b>0.0989</b>	<b>0.0688</b>	<b>0.8078</b>	<b>2.3300e-003</b>	<b>0.2875</b>	<b>1.4400e-003</b>	<b>0.2890</b>	<b>0.0763</b>	<b>1.3300e-003</b>	<b>0.0776</b>		<b>238.8752</b>	<b>238.8752</b>	<b>7.5400e-003</b>	<b>7.1000e-003</b>	<b>241.1782</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	5.3189	55.0483	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295	0.0000	7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0483</b>	<b>36.4886</b>	<b>0.0761</b>	<b>16.8067</b>	<b>2.5320</b>	<b>19.3388</b>	<b>8.6376</b>	<b>2.3295</b>	<b>10.9671</b>	<b>0.0000</b>	<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0989	0.0688	0.8078	2.3300e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782
<b>Total</b>	<b>0.0989</b>	<b>0.0688</b>	<b>0.8078</b>	<b>2.3300e-003</b>	<b>0.2725</b>	<b>1.4400e-003</b>	<b>0.2740</b>	<b>0.0726</b>	<b>1.3300e-003</b>	<b>0.0739</b>		<b>238.8752</b>	<b>238.8752</b>	<b>7.5400e-003</b>	<b>7.1000e-003</b>	<b>241.1782</b>

## 3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
<b>Total</b>	<b>5.3218</b>	<b>54.3520</b>	<b>36.6713</b>	<b>0.0762</b>	<b>39.3140</b>	<b>2.4587</b>	<b>41.7727</b>	<b>20.2049</b>	<b>2.2620</b>	<b>22.4669</b>		<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>		<b>7,435.6588</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000



## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588
<b>Total</b>	<b>5.3218</b>	<b>54.3520</b>	<b>36.6713</b>	<b>0.0762</b>	<b>16.8067</b>	<b>2.4587</b>	<b>19.2654</b>	<b>8.6376</b>	<b>2.2620</b>	<b>10.8996</b>	<b>0.0000</b>	<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>		<b>7,435.6588</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**3.4 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471		16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.2903</b>	<b>38.9998</b>	<b>14.3885</b>	<b>3.9471</b>	<b>18.3355</b>		<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.3937	0.5372	0.0106	0.3129	0.0200	0.3329	0.0858	0.0192	0.1050		1,148.0648	1,148.0648	0.0243	0.1814	1,202.7248
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.1413	0.0983	1.1541	3.3300e-003	0.4107	2.0600e-003	0.4128	0.1090	1.9000e-003	0.1108		341.2503	341.2503	0.0108	0.0101	344.5403
<b>Total</b>	<b>0.1768</b>	<b>2.4920</b>	<b>1.6913</b>	<b>0.0140</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2158</b>		<b>1,489.3151</b>	<b>1,489.3151</b>	<b>0.0350</b>	<b>0.1915</b>	<b>1,547.2652</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471	0.0000	16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.2903</b>	<b>19.1286</b>	<b>6.1511</b>	<b>3.9471</b>	<b>10.0981</b>	<b>0.0000</b>	<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.3937	0.5372	0.0106	0.2987	0.0200	0.3187	0.0823	0.0192	0.1015		1,148.0648	1,148.0648	0.0243	0.1814	1,202.7248
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1413	0.0983	1.1541	3.3300e-003	0.3893	2.0600e-003	0.3914	0.1037	1.9000e-003	0.1056		341.2503	341.2503	0.0108	0.0101	344.5403
<b>Total</b>	<b>0.1768</b>	<b>2.4920</b>	<b>1.6913</b>	<b>0.0140</b>	<b>0.6880</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2071</b>		<b>1,489.3151</b>	<b>1,489.3151</b>	<b>0.0350</b>	<b>0.1915</b>	<b>1,547.2652</b>

## 3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286		16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.0528</b>	<b>38.7623</b>	<b>14.3885</b>	<b>3.7286</b>	<b>18.1170</b>		<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.4045	0.5395	0.0105	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,131.2425	1,131.2425	0.0244	0.1788	1,185.1222
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.1323	0.0877	1.0792	3.2300e-003	0.4107	1.9600e-003	0.4127	0.1090	1.8100e-003	0.1108		332.8391	332.8391	9.7800e-003	9.4500e-003	335.8997
<b>Total</b>	<b>0.1677</b>	<b>2.4922</b>	<b>1.6187</b>	<b>0.0137</b>	<b>0.7236</b>	<b>0.0222</b>	<b>0.7458</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2159</b>		<b>1,464.0816</b>	<b>1,464.0816</b>	<b>0.0342</b>	<b>0.1882</b>	<b>1,521.0219</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286	0.0000	16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.0528</b>	<b>18.8911</b>	<b>6.1511</b>	<b>3.7286</b>	<b>9.8796</b>	<b>0.0000</b>	<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.4045	0.5395	0.0105	0.2987	0.0202	0.3189	0.0823	0.0193	0.1017		1,131.2425	1,131.2425	0.0244	0.1788	1,185.1222
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1323	0.0877	1.0792	3.2300e-003	0.3893	1.9600e-003	0.3913	0.1037	1.8100e-003	0.1055		332.8391	332.8391	9.7800e-003	9.4500e-003	335.8997
<b>Total</b>	<b>0.1677</b>	<b>2.4922</b>	<b>1.6187</b>	<b>0.0137</b>	<b>0.6881</b>	<b>0.0222</b>	<b>0.7102</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2072</b>		<b>1,464.0816</b>	<b>1,464.0816</b>	<b>0.0342</b>	<b>0.1882</b>	<b>1,521.0219</b>

## 3.4 Grading - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706		16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>34.7095</b>	<b>3.4463</b>	<b>38.1558</b>	<b>14.3885</b>	<b>3.1706</b>	<b>17.5590</b>		<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	2.3963	0.5404	0.0103	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,110.4717	1,110.4717	0.0246	0.1755	1,163.3849
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.1244	0.0791	1.0143	3.1200e-003	0.4107	1.8800e-003	0.4126	0.1090	1.7300e-003	0.1107		324.8721	324.8721	8.9000e-003	8.8600e-003	327.7350
<b>Total</b>	<b>0.1596</b>	<b>2.4754</b>	<b>1.5547</b>	<b>0.0134</b>	<b>0.7237</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0210</b>	<b>0.2158</b>		<b>1,435.3438</b>	<b>1,435.3438</b>	<b>0.0335</b>	<b>0.1844</b>	<b>1,491.1200</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706	0.0000	16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>14.8383</b>	<b>3.4463</b>	<b>18.2846</b>	<b>6.1511</b>	<b>3.1706</b>	<b>9.3217</b>	<b>0.0000</b>	<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	2.3963	0.5404	0.0103	0.2988	0.0202	0.3189	0.0823	0.0193	0.1016		1,110.4717	1,110.4717	0.0246	0.1755	1,163.3849
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1244	0.0791	1.0143	3.1200e-003	0.3893	1.8800e-003	0.3912	0.1037	1.7300e-003	0.1054		324.8721	324.8721	8.9000e-003	8.8600e-003	327.7350
<b>Total</b>	<b>0.1596</b>	<b>2.4754</b>	<b>1.5547</b>	<b>0.0134</b>	<b>0.6881</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2071</b>		<b>1,435.3438</b>	<b>1,435.3438</b>	<b>0.0335</b>	<b>0.1844</b>	<b>1,491.1200</b>

## 3.5 Infrastructure (Trenching) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
<b>Total</b>	<b>3.1455</b>	<b>28.7698</b>	<b>32.4880</b>	<b>0.0539</b>		<b>1.3995</b>	<b>1.3995</b>		<b>1.3169</b>	<b>1.3169</b>		<b>5,110.4199</b>	<b>5,110.4199</b>	<b>1.2157</b>		<b>5,140.8121</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1272	0.0884	1.0387	3.0000e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Total	0.1272	0.0884	1.0387	3.0000e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863
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**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1272	0.0884	1.0387	3.0000e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863
Total	0.1272	0.0884	1.0387	3.0000e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863

**3.5 Infrastructure (Trenching) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1191	0.0790	0.9713	2.9000e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097
Total	0.1191	0.0790	0.9713	2.9000e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1191	0.0790	0.9713	2.9000e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097
<b>Total</b>	<b>0.1191</b>	<b>0.0790</b>	<b>0.9713</b>	<b>2.9000e-003</b>	<b>0.3504</b>	<b>1.7700e-003</b>	<b>0.3522</b>	<b>0.0933</b>	<b>1.6300e-003</b>	<b>0.0950</b>		<b>299.5552</b>	<b>299.5552</b>	<b>8.8000e-003</b>	<b>8.5100e-003</b>	<b>302.3097</b>

**3.5 Infrastructure (Trenching) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1120	0.0712	0.9129	2.8100e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615
<b>Total</b>	<b>0.1120</b>	<b>0.0712</b>	<b>0.9129</b>	<b>2.8100e-003</b>	<b>0.3697</b>	<b>1.6900e-003</b>	<b>0.3714</b>	<b>0.0981</b>	<b>1.5600e-003</b>	<b>0.0996</b>		<b>292.3849</b>	<b>292.3849</b>	<b>8.0100e-003</b>	<b>7.9700e-003</b>	<b>294.9615</b>

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1120	0.0712	0.9129	2.8100e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615
<b>Total</b>	<b>0.1120</b>	<b>0.0712</b>	<b>0.9129</b>	<b>2.8100e-003</b>	<b>0.3504</b>	<b>1.6900e-003</b>	<b>0.3521</b>	<b>0.0933</b>	<b>1.5600e-003</b>	<b>0.0949</b>		<b>292.3849</b>	<b>292.3849</b>	<b>8.0100e-003</b>	<b>7.9700e-003</b>	<b>294.9615</b>

**3.5 Infrastructure (Trenching) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1058	0.0648	0.8636	2.7200e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		285.6883	285.6883	7.3200e-003	7.5400e-003	288.1172
<b>Total</b>	<b>0.1058</b>	<b>0.0648</b>	<b>0.8636</b>	<b>2.7200e-003</b>	<b>0.3697</b>	<b>1.6100e-003</b>	<b>0.3713</b>	<b>0.0981</b>	<b>1.4800e-003</b>	<b>0.0995</b>		<b>285.6883</b>	<b>285.6883</b>	<b>7.3200e-003</b>	<b>7.5400e-003</b>	<b>288.1172</b>

**Mitigated Construction On-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1058	0.0648	0.8636	2.7200e-003	0.3504	1.6100e-003	0.3520	0.0933	1.4800e-003	0.0948		285.6883	285.6883	7.3200e-003	7.5400e-003	288.1172
<b>Total</b>	<b>0.1058</b>	<b>0.0648</b>	<b>0.8636</b>	<b>2.7200e-003</b>	<b>0.3504</b>	<b>1.6100e-003</b>	<b>0.3520</b>	<b>0.0933</b>	<b>1.4800e-003</b>	<b>0.0948</b>		<b>285.6883</b>	<b>285.6883</b>	<b>7.3200e-003</b>	<b>7.5400e-003</b>	<b>288.1172</b>

**3.6 Building Construction (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684		9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>		<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.7439</b>	<b>0.1134</b>	<b>9.8572</b>	<b>2.6284</b>	<b>0.1071</b>	<b>2.7355</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**Mitigated Construction On-Site**



## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684	0.0000	9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>	<b>0.0000</b>	<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.2540</b>	<b>0.1134</b>	<b>9.3673</b>	<b>2.5081</b>	<b>0.1071</b>	<b>2.6152</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**3.6 Building Construction (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.7439</b>	<b>0.1118</b>	<b>9.8557</b>	<b>2.6284</b>	<b>0.1056</b>	<b>2.7340</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096	9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>	<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**3.6 Building Construction (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**3.7 Paving (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839		4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>		<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839	0.0000	4,977.9905	4,977.9905	1.4596		5,014.4812

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>	<b>0.0000</b>	<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**3.7 Paving (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0871	0.0554	0.7100	2.1800e-003	0.2875	1.3100e-003	0.2888	0.0763	1.2100e-003	0.0775		227.4105	227.4105	6.2300e-003	6.2000e-003	229.4145
<b>Total</b>	<b>0.0871</b>	<b>0.0554</b>	<b>0.7100</b>	<b>2.1800e-003</b>	<b>0.2875</b>	<b>1.3100e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.2100e-003</b>	<b>0.0775</b>		<b>227.4105</b>	<b>227.4105</b>	<b>6.2300e-003</b>	<b>6.2000e-003</b>	<b>229.4145</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0871	0.0554	0.7100	2.1800e-003	0.2725	1.3100e-003	0.2738	0.0726	1.2100e-003	0.0738		227.4105	227.4105	6.2300e-003	6.2000e-003	229.4145
<b>Total</b>	<b>0.0871</b>	<b>0.0554</b>	<b>0.7100</b>	<b>2.1800e-003</b>	<b>0.2725</b>	<b>1.3100e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.2100e-003</b>	<b>0.0738</b>		<b>227.4105</b>	<b>227.4105</b>	<b>6.2300e-003</b>	<b>6.2000e-003</b>	<b>229.4145</b>

**3.7 Paving (Commercial) - 2026**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0823	0.0504	0.6717	2.1200e-003	0.2875	1.2500e-003	0.2888	0.0763	1.1500e-003	0.0774		222.2020	222.2020	5.7000e-003	5.8600e-003	224.0912
<b>Total</b>	<b>0.0823</b>	<b>0.0504</b>	<b>0.6717</b>	<b>2.1200e-003</b>	<b>0.2875</b>	<b>1.2500e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.1500e-003</b>	<b>0.0774</b>		<b>222.2020</b>	<b>222.2020</b>	<b>5.7000e-003</b>	<b>5.8600e-003</b>	<b>224.0912</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0823	0.0504	0.6717	2.1200e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		222.2020	222.2020	5.7000e-003	5.8600e-003	224.0912
<b>Total</b>	<b>0.0823</b>	<b>0.0504</b>	<b>0.6717</b>	<b>2.1200e-003</b>	<b>0.2725</b>	<b>1.2500e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.1500e-003</b>	<b>0.0737</b>		<b>222.2020</b>	<b>222.2020</b>	<b>5.7000e-003</b>	<b>5.8600e-003</b>	<b>224.0912</b>

**3.8 Building Construction (Apartment) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.7439</b>	<b>0.1134</b>	<b>9.8572</b>	<b>2.6284</b>	<b>0.1071</b>	<b>2.7355</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6888	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
Total	2.7904	14.4512	24.2901	0.1175	9.2540	0.1134	9.3673	2.5081	0.1071	2.6152		12,319.9180	12,319.9180	0.2681	1.0774	12,647.6900

## 3.8 Building Construction (Apartment) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.7271	12,061.7271	0.2514	1.0505	12,381.0717

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**3.8 Building Construction (Apartment) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>



## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**3.8 Building Construction (Apartment) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.9318	0.0752	2.0070	0.5562	0.0720	0.6282		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.7440</b>	<b>0.1073</b>	<b>9.8513</b>	<b>2.6284</b>	<b>0.1015</b>	<b>2.7299</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.8492	0.0752	1.9245	0.5360	0.0720	0.6079		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.2541</b>	<b>0.1073</b>	<b>9.3614</b>	<b>2.5082</b>	<b>0.1015</b>	<b>2.6097</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

**3.9 Building Construction (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.7439</b>	<b>0.1134</b>	<b>9.8572</b>	<b>2.6284</b>	<b>0.1071</b>	<b>2.7355</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.2540</b>	<b>0.1134</b>	<b>9.3673</b>	<b>2.5081</b>	<b>0.1071</b>	<b>2.6152</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**3.9 Building Construction (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.7439</b>	<b>0.1118</b>	<b>9.8557</b>	<b>2.6284</b>	<b>0.1056</b>	<b>2.7340</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087	6,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051	6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>	<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

## 3.9 Building Construction (For Sale) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084	5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035	6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>	<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

## 3.9 Building Construction (For Sale) - 2027

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.9318	0.0752	2.0070	0.5562	0.0720	0.6282		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.7440</b>	<b>0.1073</b>	<b>9.8513</b>	<b>2.6284</b>	<b>0.1015</b>	<b>2.7299</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.8492	0.0752	1.9245	0.5360	0.0720	0.6079		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	2.1175	1.2556	17.3645	0.0558	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		5,908.6548	5,908.6548	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.2541</b>	<b>0.1073</b>	<b>9.3614</b>	<b>2.5082</b>	<b>0.1015</b>	<b>2.6097</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

## 3.9 Building Construction (For Sale) - 2028

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2542	12.6278	3.5792	0.0519	1.9318	0.0747	2.0065	0.5563	0.0715	0.6277		5,545.8181	5,545.8181	0.0817	0.8319	5,795.7583
Worker	2.0055	1.1608	16.6161	0.0543	7.8122	0.0301	7.8423	2.0722	0.0277	2.0999		5,793.8213	5,793.8213	0.1314	0.1450	5,840.3150
<b>Total</b>	<b>2.2597</b>	<b>13.7885</b>	<b>20.1953</b>	<b>0.1063</b>	<b>9.7441</b>	<b>0.1048</b>	<b>9.8488</b>	<b>2.6284</b>	<b>0.0991</b>	<b>2.7276</b>		<b>11,339.6394</b>	<b>11,339.6394</b>	<b>0.2131</b>	<b>0.9769</b>	<b>11,636.0733</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2542	12.6278	3.5792	0.0519	1.8493	0.0747	1.9240	0.5360	0.0715	0.6075		5,545.8181	5,545.8181	0.0817	0.8319	5,795.7583
Worker	2.0055	1.1608	16.6161	0.0543	7.4049	0.0301	7.4349	1.9722	0.0277	1.9999		5,793.8213	5,793.8213	0.1314	0.1450	5,840.3150

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Total	2.2597	13.7885	20.1953	0.1063	9.2542	0.1048	9.3589	2.5082	0.0991	2.6073		11,339.639 4	11,339.639 4	0.2131	0.9769	11,636.073 3
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**3.10 Paving (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.0986</b>	<b>19.0492</b>	<b>29.2515</b>	<b>0.0456</b>		<b>0.9370</b>	<b>0.9370</b>		<b>0.8621</b>	<b>0.8621</b>		<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0794</b>	<b>0.0526</b>	<b>0.6475</b>	<b>1.9400e-003</b>	<b>0.2464</b>	<b>1.1800e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0800e-003</b>	<b>0.0665</b>		<b>199.7034</b>	<b>199.7034</b>	<b>5.8700e-003</b>	<b>5.6700e-003</b>	<b>201.5398</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621	0.0000	4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.0986</b>	<b>19.0492</b>	<b>29.2515</b>	<b>0.0456</b>		<b>0.9370</b>	<b>0.9370</b>		<b>0.8621</b>	<b>0.8621</b>	<b>0.0000</b>	<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
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## 3.10 Paving (For Sale) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0746	0.0474	0.6086	1.8700e-003	0.2464	1.1300e-003	0.2476	0.0654	1.0400e-003	0.0664		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410
<b>Total</b>	<b>0.0746</b>	<b>0.0474</b>	<b>0.6086</b>	<b>1.8700e-003</b>	<b>0.2464</b>	<b>1.1300e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0400e-003</b>	<b>0.0664</b>		<b>194.9233</b>	<b>194.9233</b>	<b>5.3400e-003</b>	<b>5.3200e-003</b>	<b>196.6410</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0746	0.0474	0.6086	1.8700e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410



## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0746	0.0474	0.6086	1.8700e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410
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## 3.10 Paving (For Sale) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0706	0.0432	0.5757	1.8100e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782
<b>Total</b>	<b>0.0706</b>	<b>0.0432</b>	<b>0.5757</b>	<b>1.8100e-003</b>	<b>0.2464</b>	<b>1.0700e-003</b>	<b>0.2475</b>	<b>0.0654</b>	<b>9.9000e-004</b>	<b>0.0664</b>		<b>190.4589</b>	<b>190.4589</b>	<b>4.8800e-003</b>	<b>5.0200e-003</b>	<b>192.0782</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0706	0.0432	0.5757	1.8100e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0706	0.0432	0.5757	1.8100e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782
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## 3.11 Arch Coating (Commercial) - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
<b>Total</b>	<b>0.5027</b>	<b>0.3334</b>	<b>4.1010</b>	<b>0.0123</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,264.7884</b>	<b>1,264.7884</b>	<b>0.0372</b>	<b>0.0359</b>	<b>1,276.4187</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
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## 3.11 Arch Coating (Commercial) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
Total	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
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## 3.11 Arch Coating (Commercial) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
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## 3.12 Arch Coating (Apartments) - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
Total	27.3969	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
Total	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
Total	27.3969	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
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## 3.12 Arch Coating (Apartments) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
Total	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
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## 3.12 Arch Coating (Apartments) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
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## 3.13 Arch Coating (For Sale) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950



## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
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## 3.13 Arch Coating (For Sale) - 2027

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4230	0.2509	3.4693	0.0112	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189
Total	0.4230	0.2509	3.4693	0.0112	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4230	0.2509	3.4693	0.0112	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4230	0.2509	3.4693	0.0112	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189
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## 3.13 Arch Coating (For Sale) - 2028

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4007	0.2319	3.3197	0.0109	1.5608	6.0100e-003	1.5668	0.4140	5.5300e-003	0.4195		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348
Total	0.4007	0.2319	3.3197	0.0109	1.5608	6.0100e-003	1.5668	0.4140	5.5300e-003	0.4195		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4007	0.2319	3.3197	0.0109	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348

SCS Dublin - Unmitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.4007	0.2319	3.3197	0.0109	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131	53,780.131	3.1926	2.7075	54,666.772
Unmitigated	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131	53,780.131	3.1926	2.7075	54,666.772

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,345.50	1,345.50	1345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3,214	3,214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	2,933.82	2,933.82	2933.82	8,178,699	8,178,699
Single Family Housing	780.00	780.00	780.00	2,028,892	2,028,892
Total	10,984.62	10,984.62	10,984.62	29,690,396	29,690,396

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

## SCS Dublin - Unmitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
NaturalGas Unmitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8955.77	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5201.53	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6814.36	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit Down Restaurant)	10221.5	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24454.9	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1038.58	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10943.6	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387
<b>Total</b>		<b>0.7293</b>	<b>6.4828</b>	<b>4.4868</b>	<b>0.0398</b>		<b>0.5039</b>	<b>0.5039</b>		<b>0.5039</b>	<b>0.5039</b>		<b>7,956.5026</b>	<b>7,956.5026</b>	<b>0.1525</b>	<b>0.1459</b>	<b>8,003.7841</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.95577	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5.20153	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6.81436	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit Down Restaurant)	10.2215	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24.4549	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.03858	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10.9436	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387

SCS Dublin - Unmitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		0.7293	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216
Unmitigated	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	361.0777	7.5390	472.7212	0.9020		66.9972	66.9972		66.9972	66.9972	7,242.1739	2,779.4118	10,021.5857	9.5071	0.5115	10,411.6993
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	361.0777	7.5390	472.7212	0.9020		66.9972	66.9972		66.9972	66.9972	7,242.1739	2,779.4118	10,021.5857	9.5071	0.5115	10,411.6993
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.6626	9.6009	0.5115	10,511.1216

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet

SCS Dublin - Unmitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SCS Dublin - Mitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Mitigated Construction  
Alameda County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Architectural Coating - compliance with BAAQMD Regulation 8, Rule 3; Architectural Coatings
- Vehicle Trips - per trip gen table
- Woodstoves - BAAQMD rule compliance
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

## SCS Dublin - Mitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	36.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00
tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblFireplaces	NumberGas	58.50	0.00
tblFireplaces	NumberGas	16.50	0.00
tblFireplaces	NumberGas	37.50	0.00
tblFireplaces	NumberWood	66.30	0.00
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00



## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44
tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20
tblWoodstoves	NumberCatalytic	7.80	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberCatalytic	6.00	0.00
tblWoodstoves	NumberNoncatalytic	7.80	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	6.00	0.00

**2.0 Emissions Summary****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4682	235.7711	184.1909	0.4062	76.4067	10.2471	86.6538	35.1492	9.4781	44.6272	0.0000	39,408.379 2	39,408.379 2	11.2239	0.2420	39,761.097 4
2024	61.8298	385.9055	421.5621	1.0351	108.2915	15.6576	123.2206	43.8171	14.5391	57.6878	0.0000	103,085.80 30	103,085.80 30	18.4451	3.4253	104,554.03 80
2025	53.5728	285.8876	373.8762	0.9453	68.6901	10.8211	79.5112	23.5360	10.0732	33.6092	0.0000	94,528.494 6	94,528.494 6	15.4227	3.3351	95,907.934 0
2026	44.1995	196.7089	302.1322	0.7473	33.2571	7.3460	40.6031	8.9529	6.8753	15.8281	0.0000	75,321.563 6	75,321.563 6	9.8834	3.0764	76,485.407 1
2027	24.0328	78.3209	114.2767	0.3518	21.0488	2.4339	23.4827	5.6708	2.2966	7.9674	0.0000	36,081.696 4	36,081.696 4	2.8707	1.9821	36,744.129 2
2028	18.8261	40.2731	59.7493	0.1819	11.3049	1.2687	12.5736	3.0424	1.2000	4.2424	0.0000	18,696.460 5	18,696.460 5	1.4513	0.9806	19,024.947 2
Maximum	61.8298	385.9055	421.5621	1.0351	108.2915	15.6576	123.2206	43.8171	14.5391	57.6878	0.0000	103,085.80 30	103,085.80 30	18.4451	3.4253	104,554.03 80

**Mitigated Construction**

SCS Dublin - Mitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5626	25.5412	213.4988	0.4062	33.5426	0.7490	34.2916	15.2629	0.7475	16.0104	0.0000	39,408.3792	39,408.3792	11.2239	0.2420	39,761.0974
2024	37.1181	85.1313	469.4893	1.0351	64.1828	1.6963	65.8577	23.5877	1.6759	25.2413	0.0000	103,085.8029	103,085.8029	18.4451	3.4253	104,554.0380
2025	35.4191	79.3289	421.9265	0.9453	47.1038	1.4977	48.6015	14.8776	1.4769	16.3545	0.0000	94,528.4946	94,528.4946	15.4227	3.3351	95,907.9340
2026	39.8178	67.2356	330.8211	0.7473	31.5775	1.1835	32.7611	8.5406	1.1642	9.7048	0.0000	75,321.5636	75,321.5636	9.8834	3.0764	76,485.4071
2027	20.2961	36.6998	120.4448	0.3518	19.9876	0.5436	20.5313	5.4103	0.5315	5.9418	0.0000	36,081.6964	36,081.6964	2.8707	1.9821	36,744.1292
2028	16.8166	18.4458	62.8567	0.1819	10.7336	0.2760	11.0096	2.9022	0.2699	3.1721	0.0000	18,696.4605	18,696.4605	1.4513	0.9806	19,024.9472
Maximum	39.8178	85.1313	469.4893	1.0351	64.1828	1.6963	65.8577	23.5877	1.6759	25.2413	0.0000	103,085.8029	103,085.8029	18.4451	3.4253	104,554.0380

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.38	74.45	-11.21	0.00	35.07	87.55	41.80	41.26	86.81	53.39	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.0401	56,914.0401	2.8522	2.4998	57,730.2804
Total	56.9541	34.5083	280.3143	0.5779	62.5350	1.1653	63.7003	16.6572	1.1411	17.7983	0.0000	64,967.6196	64,967.6196	3.0986	2.6457	65,833.4867

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.0401	56,914.0401	2.8522	2.4998	57,730.2804
Total	56.9541	34.5083	280.3143	0.5779	62.5350	1.1653	63.7003	16.6572	1.1411	17.7983	0.0000	64,967.6196	64,967.6196	3.0986	2.6457	65,833.4867

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

## SCS Dublin - Mitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	
10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393	

Acres of Grading (Site Preparation Phase): 1176

Acres of Grading (Grading Phase): 6550

Acres of Paving: 18.29

Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Area:

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20

## SCS Dublin - Mitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

## 3.2 Demolition - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560		7,493.9680	7,493.9680	2.0987		7,546.4366
Total	4.5382	42.9688	39.2867	0.0777	0.6993	1.9951	2.6944	0.1059	1.8560	1.9619		7,493.9680	7,493.9680	2.0987		7,546.4366

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8600e-003	0.4091	0.0958	1.9200e-003	0.0566	3.6200e-003	0.0602	0.0155	3.4600e-003	0.0190		207.5010	207.5010	4.4100e-003	0.0328	217.3806

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0834	0.0475	0.7207	2.1600e-003	0.2464	1.2400e-003	0.2477	0.0654	1.1400e-003	0.0665		220.5665	220.5665	5.6600e-003	5.2600e-003	222.2753
Total	0.0903	0.4565	0.8165	4.0800e-003	0.3031	4.8600e-003	0.3079	0.0809	4.6000e-003	0.0855		428.0675	428.0675	0.0101	0.0380	439.6559

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	0.9246	4.0065	46.5597	0.0777		0.1233	0.1233		0.1233	0.1233	0.0000	7,493.9680	7,493.9680	2.0987		7,546.4366
<b>Total</b>	<b>0.9246</b>	<b>4.0065</b>	<b>46.5597</b>	<b>0.0777</b>	<b>0.2990</b>	<b>0.1233</b>	<b>0.4222</b>	<b>0.0453</b>	<b>0.1233</b>	<b>0.1685</b>	<b>0.0000</b>	<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>		<b>7,546.4366</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8600e-003	0.4091	0.0958	1.9200e-003	0.0541	3.6200e-003	0.0577	0.0149	3.4600e-003	0.0184		207.5010	207.5010	4.4100e-003	0.0328	217.3806
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0834	0.0475	0.7207	2.1600e-003	0.2336	1.2400e-003	0.2348	0.0622	1.1400e-003	0.0634		220.5665	220.5665	5.6600e-003	5.2600e-003	222.2753
<b>Total</b>	<b>0.0903</b>	<b>0.4565</b>	<b>0.8165</b>	<b>4.0800e-003</b>	<b>0.2876</b>	<b>4.8600e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.6000e-003</b>	<b>0.0817</b>		<b>428.0675</b>	<b>428.0675</b>	<b>0.0101</b>	<b>0.0380</b>	<b>439.6559</b>

**3.2 Demolition - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844		7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9203</b>	<b>2.6196</b>	<b>0.1059</b>	<b>1.7844</b>	<b>1.8903</b>		<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8500e-003	0.4109	0.0962	1.8900e-003	0.0566	3.6500e-003	0.0603	0.0155	3.4900e-003	0.0190		204.4598	204.4598	4.4400e-003	0.0323	214.1984

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0847</b>	<b>0.4533</b>	<b>0.7677</b>	<b>3.9800e-003</b>	<b>0.3031</b>	<b>4.8300e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.5700e-003</b>	<b>0.0855</b>		<b>419.5541</b>	<b>419.5541</b>	<b>9.5600e-003</b>	<b>0.0372</b>	<b>430.8824</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	0.9246	4.0065	46.5597	0.0777		0.1233	0.1233		0.1233	0.1233	0.0000	7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>0.9246</b>	<b>4.0065</b>	<b>46.5597</b>	<b>0.0777</b>	<b>0.2990</b>	<b>0.1233</b>	<b>0.4222</b>	<b>0.0453</b>	<b>0.1233</b>	<b>0.1685</b>	<b>0.0000</b>	<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8500e-003	0.4109	0.0962	1.8900e-003	0.0541	3.6500e-003	0.0577	0.0149	3.4900e-003	0.0184		204.4598	204.4598	4.4400e-003	0.0323	214.1984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0847</b>	<b>0.4533</b>	<b>0.7677</b>	<b>3.9800e-003</b>	<b>0.2876</b>	<b>4.8300e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.5700e-003</b>	<b>0.0817</b>		<b>419.5541</b>	<b>419.5541</b>	<b>9.5600e-003</b>	<b>0.0372</b>	<b>430.8824</b>

**3.3 Site Preparation - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0484</b>	<b>36.4886</b>	<b>0.0761</b>	<b>39.3140</b>	<b>2.5320</b>	<b>41.8461</b>	<b>20.2049</b>	<b>2.3295</b>	<b>22.5344</b>		<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SCS Dublin - Mitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0973	0.0554	0.8408	2.5100e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776	257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212
Total	0.0973	0.0554	0.8408	2.5100e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776	257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	0.9312	4.0350	41.7380	0.0761		0.1242	0.1242		0.1242	0.1242	0.0000	7,374.6162	7,374.6162	2.3851		7,434.2437
Total	0.9312	4.0350	41.7380	0.0761	16.8067	0.1242	16.9309	8.6376	0.1242	8.7617	0.0000	7,374.6162	7,374.6162	2.3851		7,434.2437

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0973	0.0554	0.8408	2.5100e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212
Total	0.0973	0.0554	0.8408	2.5100e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212

3.3 Site Preparation - 2024  
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	39.3140	2.4587	41.7727	20.2049	2.2620	22.4669		7,376.0199	7,376.0199	2.3856		7,435.6588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000



## SCS Dublin - Mitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
Total	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	0.9312	4.0350	41.7380	0.0762		0.1242	0.1242		0.1242	0.1242	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588
<b>Total</b>	<b>0.9312</b>	<b>4.0350</b>	<b>41.7380</b>	<b>0.0762</b>	<b>16.8067</b>	<b>0.1242</b>	<b>16.9309</b>	<b>8.6376</b>	<b>0.1242</b>	<b>8.7617</b>	<b>0.0000</b>	<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>		<b>7,435.6588</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

## 3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471		16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.2903</b>	<b>38.9998</b>	<b>14.3885</b>	<b>3.9471</b>	<b>18.3355</b>		<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.2607	0.5294	0.0106	0.3129	0.0200	0.3329	0.0858	0.0191	0.1049		1,146.8058	1,146.8058	0.0244	0.1812	1,201.4079

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1391	0.0791	1.2011	3.5900e-003	0.4107	2.0600e-003	0.4128	0.1090	1.9000e-003	0.1108	367.6109	367.6109	9.4300e-003	8.7700e-003	370.4589
<b>Total</b>	<b>0.1770</b>	<b>2.3399</b>	<b>1.7305</b>	<b>0.0142</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0210</b>	<b>0.2158</b>	<b>1,514.4167</b>	<b>1,514.4167</b>	<b>0.0338</b>	<b>0.1900</b>	<b>1,571.8668</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	2.1402	9.2743	85.4497	0.1745		0.2854	0.2854		0.2854	0.2854	0.0000	16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>2.1402</b>	<b>9.2743</b>	<b>85.4497</b>	<b>0.1745</b>	<b>14.8383</b>	<b>0.2854</b>	<b>15.1237</b>	<b>6.1511</b>	<b>0.2854</b>	<b>6.4364</b>	<b>0.0000</b>	<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.2607	0.5294	0.0106	0.2987	0.0200	0.3187	0.0823	0.0191	0.1015		1,146.8058	1,146.8058	0.0244	0.1812	1,201.4079
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1391	0.0791	1.2011	3.5900e-003	0.3893	2.0600e-003	0.3914	0.1037	1.9000e-003	0.1056		367.6109	367.6109	9.4300e-003	8.7700e-003	370.4589
<b>Total</b>	<b>0.1770</b>	<b>2.3399</b>	<b>1.7305</b>	<b>0.0142</b>	<b>0.6880</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2070</b>		<b>1,514.4167</b>	<b>1,514.4167</b>	<b>0.0338</b>	<b>0.1900</b>	<b>1,571.8668</b>

**3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286		16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.0528</b>	<b>38.7623</b>	<b>14.3885</b>	<b>3.7286</b>	<b>18.1170</b>		<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	2.2710	0.5318	0.0105	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,129.9978	1,129.9978	0.0246	0.1786	1,183.8204

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1297	0.0707	1.1191	3.4800e-003	0.4107	1.9600e-003	0.4127	0.1090	1.8100e-003	0.1108	358.4904	358.4904	8.5300e-003	8.1800e-003	361.1401
<b>Total</b>	<b>0.1676</b>	<b>2.3416</b>	<b>1.6509</b>	<b>0.0140</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7458</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2159</b>	<b>1,488.4882</b>	<b>1,488.4882</b>	<b>0.0331</b>	<b>0.1867</b>	<b>1,544.9605</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	2.1402	9.2743	85.4497	0.1745		0.2854	0.2854		0.2854	0.2854	0.0000	16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>2.1402</b>	<b>9.2743</b>	<b>85.4497</b>	<b>0.1745</b>	<b>14.8383</b>	<b>0.2854</b>	<b>15.1237</b>	<b>6.1511</b>	<b>0.2854</b>	<b>6.4364</b>	<b>0.0000</b>	<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	2.2710	0.5318	0.0105	0.2987	0.0202	0.3189	0.0823	0.0193	0.1016		1,129.9978	1,129.9978	0.0246	0.1786	1,183.8204
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1297	0.0707	1.1191	3.4800e-003	0.3893	1.9600e-003	0.3913	0.1037	1.8100e-003	0.1055		358.4904	358.4904	8.5300e-003	8.1800e-003	361.1401
<b>Total</b>	<b>0.1676</b>	<b>2.3416</b>	<b>1.6509</b>	<b>0.0140</b>	<b>0.6881</b>	<b>0.0221</b>	<b>0.7102</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2071</b>		<b>1,488.4882</b>	<b>1,488.4882</b>	<b>0.0331</b>	<b>0.1867</b>	<b>1,544.9605</b>

**3.4 Grading - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706		16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>34.7095</b>	<b>3.4463</b>	<b>38.1558</b>	<b>14.3885</b>	<b>3.1706</b>	<b>17.5590</b>		<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0377	2.2633	0.5327	0.0103	0.3129	0.0201	0.3331	0.0858	0.0193	0.1051		1,109.2451	1,109.2451	0.0247	0.1753	1,162.1022

## SCS Dublin - Mitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1217	0.0637	1.0486	3.3600e-003	0.4107	1.8800e-003	0.4126	0.1090	1.7300e-003	0.1107		349.8592	349.8592	7.7400e-003	7.6700e-003	352.3379
Total	0.1594	2.3269	1.5813	0.0136	0.7237	0.0220	0.7457	0.1948	0.0210	0.2158		1,459.1043	1,459.1043	0.0324	0.1830	1,514.4401

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	2.1402	9.2743	85.4497	0.1744		0.2854	0.2854		0.2854	0.2854	0.0000	16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>2.1402</b>	<b>9.2743</b>	<b>85.4497</b>	<b>0.1744</b>	<b>14.8383</b>	<b>0.2854</b>	<b>15.1237</b>	<b>6.1511</b>	<b>0.2854</b>	<b>6.4364</b>	<b>0.0000</b>	<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0377	2.2633	0.5327	0.0103	0.2988	0.0201	0.3189	0.0823	0.0193	0.1016		1,109.2451	1,109.2451	0.0247	0.1753	1,162.1022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1217	0.0637	1.0486	3.3600e-003	0.3893	1.8800e-003	0.3912	0.1037	1.7300e-003	0.1054		349.8592	349.8592	7.7400e-003	7.6700e-003	352.3379
<b>Total</b>	<b>0.1594</b>	<b>2.3269</b>	<b>1.5813</b>	<b>0.0136</b>	<b>0.6881</b>	<b>0.0220</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2070</b>		<b>1,459.1043</b>	<b>1,459.1043</b>	<b>0.0324</b>	<b>0.1830</b>	<b>1,514.4401</b>

## 3.5 Infrastructure (Trenching) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
<b>Total</b>	<b>3.1455</b>	<b>28.7698</b>	<b>32.4880</b>	<b>0.0539</b>		<b>1.3995</b>	<b>1.3995</b>		<b>1.3169</b>	<b>1.3169</b>		<b>5,110.4199</b>	<b>5,110.4199</b>	<b>1.2157</b>		<b>5,140.8121</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	0.1252	0.0712	1.0810	3.2300e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130
<b>Total</b>	<b>0.1252</b>	<b>0.0712</b>	<b>1.0810</b>	<b>3.2300e-003</b>	<b>0.3697</b>	<b>1.8500e-003</b>	<b>0.3715</b>	<b>0.0981</b>	<b>1.7100e-003</b>	<b>0.0998</b>		<b>330.8498</b>	<b>330.8498</b>	<b>8.4900e-003</b>	<b>7.8900e-003</b>	<b>333.4130</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0770	5.3025	35.2827	0.0539		0.1860	0.1860		0.1860	0.1860	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
<b>Total</b>	<b>1.0770</b>	<b>5.3025</b>	<b>35.2827</b>	<b>0.0539</b>		<b>0.1860</b>	<b>0.1860</b>		<b>0.1860</b>	<b>0.1860</b>	<b>0.0000</b>	<b>5,110.4198</b>	<b>5,110.4198</b>	<b>1.2157</b>		<b>5,140.8121</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1252	0.0712	1.0810	3.2300e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130
<b>Total</b>	<b>0.1252</b>	<b>0.0712</b>	<b>1.0810</b>	<b>3.2300e-003</b>	<b>0.3504</b>	<b>1.8500e-003</b>	<b>0.3522</b>	<b>0.0933</b>	<b>1.7100e-003</b>	<b>0.0950</b>		<b>330.8498</b>	<b>330.8498</b>	<b>8.4900e-003</b>	<b>7.8900e-003</b>	<b>333.4130</b>

**3.5 Infrastructure (Trenching) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1168	0.0636	1.0072	3.1300e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261

## SCS Dublin - Mitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.1168	0.0636	1.0072	3.1300e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261
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**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
Total	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1168	0.0636	1.0072	3.1300e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261
Total	0.1168	0.0636	1.0072	3.1300e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261

**3.5 Infrastructure (Trenching) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1095	0.0573	0.9438	3.0200e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041
Total	0.1095	0.0573	0.9438	3.0200e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1095	0.0573	0.9438	3.0200e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041
<b>Total</b>	<b>0.1095</b>	<b>0.0573</b>	<b>0.9438</b>	<b>3.0200e-003</b>	<b>0.3504</b>	<b>1.6900e-003</b>	<b>0.3521</b>	<b>0.0933</b>	<b>1.5600e-003</b>	<b>0.0949</b>		<b>314.8733</b>	<b>314.8733</b>	<b>6.9700e-003</b>	<b>6.9000e-003</b>	<b>317.1041</b>

**3.5 Infrastructure (Trenching) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0522	0.8909	2.9300e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		307.6301	307.6301	6.3600e-003	6.5200e-003	309.7333
<b>Total</b>	<b>0.1032</b>	<b>0.0522</b>	<b>0.8909</b>	<b>2.9300e-003</b>	<b>0.3697</b>	<b>1.6100e-003</b>	<b>0.3713</b>	<b>0.0981</b>	<b>1.4800e-003</b>	<b>0.0995</b>		<b>307.6301</b>	<b>307.6301</b>	<b>6.3600e-003</b>	<b>6.5200e-003</b>	<b>309.7333</b>

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0522	0.8909	2.9300e-003	0.3504	1.6100e-003	0.3520	0.0933	1.4800e-003	0.0948		307.6301	307.6301	6.3600e-003	6.5200e-003	309.7333
<b>Total</b>	<b>0.1032</b>	<b>0.0522</b>	<b>0.8909</b>	<b>2.9300e-003</b>	<b>0.3504</b>	<b>1.6100e-003</b>	<b>0.3520</b>	<b>0.0933</b>	<b>1.4800e-003</b>	<b>0.0948</b>		<b>307.6301</b>	<b>307.6301</b>	<b>6.3600e-003</b>	<b>6.5200e-003</b>	<b>309.7333</b>

**3.6 Building Construction (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684		9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>		<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.7439</b>	<b>0.1131</b>	<b>9.8570</b>	<b>2.6284</b>	<b>0.1069</b>	<b>2.7352</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**Mitigated Construction On-Site**



## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3648	6.2729	68.1818	0.0970		0.1980	0.1980		0.1980	0.1980	0.0000	9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>1.3648</b>	<b>6.2729</b>	<b>68.1818</b>	<b>0.0970</b>		<b>0.1980</b>	<b>0.1980</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.6 Building Construction (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3488	6.2342	68.1698	0.0970		0.1914	0.1914		0.1914	0.1914	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>1.3488</b>	<b>6.2342</b>	<b>68.1698</b>	<b>0.0970</b>		<b>0.1914</b>	<b>0.1914</b>		<b>0.1914</b>	<b>0.1914</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**3.6 Building Construction (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	1.3488	6.2342	68.1698	0.0970		0.1914	0.1914		0.1914	0.1914	0.0000	9,318.9613	9,318.9613	2.6096	9,384.2011
<b>Total</b>	<b>1.3488</b>	<b>6.2342</b>	<b>68.1698</b>	<b>0.0970</b>		<b>0.1914</b>	<b>0.1914</b>		<b>0.1914</b>	<b>0.1914</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>	<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**3.7 Paving (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839		4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>		<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	0.6204	2.6883	38.2562	0.0516		0.0827	0.0827		0.0827	0.0827	0.0000	4,977.9905	4,977.9905	1.4596	5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
<b>Total</b>	<b>0.7085</b>	<b>2.6883</b>	<b>38.2562</b>	<b>0.0516</b>		<b>0.0827</b>	<b>0.0827</b>		<b>0.0827</b>	<b>0.0827</b>	<b>0.0000</b>	<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>	<b>5,014.4812</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

**3.7 Paving (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0852	0.0446	0.7340	2.3500e-003	0.2875	1.3100e-003	0.2888	0.0763	1.2100e-003	0.0775		244.9014	244.9014	5.4200e-003	5.3700e-003	246.6366
<b>Total</b>	<b>0.0852</b>	<b>0.0446</b>	<b>0.7340</b>	<b>2.3500e-003</b>	<b>0.2875</b>	<b>1.3100e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.2100e-003</b>	<b>0.0775</b>		<b>244.9014</b>	<b>244.9014</b>	<b>5.4200e-003</b>	<b>5.3700e-003</b>	<b>246.6366</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	0.6204	2.6883	38.2562	0.0515		0.0827	0.0827		0.0827	0.0827	0.0000	4,976.3864	4,976.3864	1.4581	5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
<b>Total</b>	<b>0.7085</b>	<b>2.6883</b>	<b>38.2562</b>	<b>0.0515</b>		<b>0.0827</b>	<b>0.0827</b>		<b>0.0827</b>	<b>0.0827</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>	<b>5,012.8393</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0852	0.0446	0.7340	2.3500e-003	0.2725	1.3100e-003	0.2738	0.0726	1.2100e-003	0.0738		244.9014	244.9014	5.4200e-003	5.3700e-003	246.6366
<b>Total</b>	<b>0.0852</b>	<b>0.0446</b>	<b>0.7340</b>	<b>2.3500e-003</b>	<b>0.2725</b>	<b>1.3100e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.2100e-003</b>	<b>0.0738</b>		<b>244.9014</b>	<b>244.9014</b>	<b>5.4200e-003</b>	<b>5.3700e-003</b>	<b>246.6366</b>

**3.7 Paving (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0803	0.0406	0.6929	2.2800e-003	0.2875	1.2500e-003	0.2888	0.0763	1.1500e-003	0.0774		239.2679	239.2679	4.9400e-003	5.0700e-003	240.9037
<b>Total</b>	<b>0.0803</b>	<b>0.0406</b>	<b>0.6929</b>	<b>2.2800e-003</b>	<b>0.2875</b>	<b>1.2500e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.1500e-003</b>	<b>0.0774</b>		<b>239.2679</b>	<b>239.2679</b>	<b>4.9400e-003</b>	<b>5.0700e-003</b>	<b>240.9037</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	0.6204	2.6883	38.2562	0.0515		0.0827	0.0827		0.0827	0.0827	0.0000	4,976.3864	4,976.3864	1.4581	5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
<b>Total</b>	<b>0.7085</b>	<b>2.6883</b>	<b>38.2562</b>	<b>0.0515</b>		<b>0.0827</b>	<b>0.0827</b>		<b>0.0827</b>	<b>0.0827</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>	<b>5,012.8393</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0803	0.0406	0.6929	2.2800e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		239.2679	239.2679	4.9400e-003	5.0700e-003	240.9037
<b>Total</b>	<b>0.0803</b>	<b>0.0406</b>	<b>0.6929</b>	<b>2.2800e-003</b>	<b>0.2725</b>	<b>1.2500e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.1500e-003</b>	<b>0.0737</b>		<b>239.2679</b>	<b>239.2679</b>	<b>4.9400e-003</b>	<b>5.0700e-003</b>	<b>240.9037</b>

**3.8 Building Construction (Apartment) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		6,979.1520	6,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.7439</b>	<b>0.1131</b>	<b>9.8570</b>	<b>2.6284</b>	<b>0.1069</b>	<b>2.7352</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087	5,141.6153
<b>Total</b>	<b>1.0397</b>	<b>5.2230</b>	<b>35.2542</b>	<b>0.0539</b>		<b>0.1707</b>	<b>0.1707</b>		<b>0.1707</b>	<b>0.1707</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>	<b>5,141.6153</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.8 Building Construction (Apartment) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**3.8 Building Construction (Apartment) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5582	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961



## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Total	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**3.8 Building Construction (Apartment) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.9318	0.0750	2.0068	0.5562	0.0718	0.6280		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.7440</b>	<b>0.1071</b>	<b>9.8511</b>	<b>2.6284</b>	<b>0.1013</b>	<b>2.7297</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.8492	0.0750	1.9243	0.5360	0.0718	0.6077		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.2541</b>	<b>0.1071</b>	<b>9.3612</b>	<b>2.5082</b>	<b>0.1013</b>	<b>2.6095</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**3.9 Building Construction (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.7439</b>	<b>0.1131</b>	<b>9.8570</b>	<b>2.6284</b>	<b>0.1069</b>	<b>2.7352</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>1.0397</b>	<b>5.2230</b>	<b>35.2542</b>	<b>0.0539</b>		<b>0.1707</b>	<b>0.1707</b>		<b>0.1707</b>	<b>0.1707</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.9 Building Construction (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**3.9 Building Construction (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**3.9 Building Construction (For Sale) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.9318	0.0750	2.0068	0.5562	0.0718	0.6280		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.7440</b>	<b>0.1071</b>	<b>9.8511</b>	<b>2.6284</b>	<b>0.1013</b>	<b>2.7297</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.8492	0.0750	1.9243	0.5360	0.0718	0.6077	6,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0588	1.0118	17.8801	0.0601	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017	6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.2541</b>	<b>0.1071</b>	<b>9.3612</b>	<b>2.5082</b>	<b>0.1013</b>	<b>2.6095</b>	<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**3.9 Building Construction (For Sale) - 2028****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2689	11.9203	3.4634	0.0518	1.9318	0.0745	2.0063	0.5563	0.0713	0.6275		5,536.0965	5,536.0965	0.0825	0.8299	5,785.4570
Worker	1.9465	0.9355	17.0850	0.0585	7.8122	0.0301	7.8423	2.0722	0.0277	2.0999		6,238.1926	6,238.1926	0.1135	0.1256	6,278.4589
<b>Total</b>	<b>2.2153</b>	<b>12.8559</b>	<b>20.5483</b>	<b>0.1103</b>	<b>9.7441</b>	<b>0.1046</b>	<b>9.8486</b>	<b>2.6284</b>	<b>0.0989</b>	<b>2.7274</b>		<b>11,774.2890</b>	<b>11,774.2890</b>	<b>0.1960</b>	<b>0.9555</b>	<b>12,063.9160</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2689	11.9203	3.4634	0.0518	1.8493	0.0745	1.9238	0.5360	0.0713	0.6073	5,536.0965	5,536.0965	0.0825	0.8299	5,785.4570	
Worker	1.9465	0.9355	17.0850	0.0585	7.4049	0.0301	7.4349	1.9722	0.0277	1.9999	6,238.1926	6,238.1926	0.1135	0.1256	6,278.4589	
<b>Total</b>	<b>2.2153</b>	<b>12.8559</b>	<b>20.5483</b>	<b>0.1103</b>	<b>9.2542</b>	<b>0.1046</b>	<b>9.3587</b>	<b>2.5082</b>	<b>0.0989</b>	<b>2.6071</b>	<b>11,774.2890</b>	<b>11,774.2890</b>	<b>0.1960</b>	<b>0.9555</b>	<b>12,063.9160</b>	

**3.10 Paving (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.0986</b>	<b>19.0492</b>	<b>29.2515</b>	<b>0.0456</b>		<b>0.9370</b>	<b>0.9370</b>		<b>0.8621</b>	<b>0.8621</b>		<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0778</b>	<b>0.0424</b>	<b>0.6714</b>	<b>2.0900e-003</b>	<b>0.2464</b>	<b>1.1800e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0800e-003</b>	<b>0.0665</b>		<b>215.0943</b>	<b>215.0943</b>	<b>5.1200e-003</b>	<b>4.9100e-003</b>	<b>216.6841</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6832</b>	<b>2.4307</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0748</b>	<b>0.0748</b>	<b>0.0000</b>	<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0778</b>	<b>0.0424</b>	<b>0.6714</b>	<b>2.0900e-003</b>	<b>0.2336</b>	<b>1.1800e-003</b>	<b>0.2348</b>	<b>0.0622</b>	<b>1.0800e-003</b>	<b>0.0633</b>		<b>215.0943</b>	<b>215.0943</b>	<b>5.1200e-003</b>	<b>4.9100e-003</b>	<b>216.6841</b>

**3.10 Paving (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0382	0.6292	2.0100e-003	0.2464	1.1300e-003	0.2476	0.0654	1.0400e-003	0.0664		209.9155	209.9155	4.6400e-003	4.6000e-003	211.4028
<b>Total</b>	<b>0.0730</b>	<b>0.0382</b>	<b>0.6292</b>	<b>2.0100e-003</b>	<b>0.2464</b>	<b>1.1300e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0400e-003</b>	<b>0.0664</b>		<b>209.9155</b>	<b>209.9155</b>	<b>4.6400e-003</b>	<b>4.6000e-003</b>	<b>211.4028</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6832</b>	<b>2.4307</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0748</b>	<b>0.0748</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					



## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0382	0.6292	2.0100e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		209.9155	209.9155	4.6400e-003	4.6000e-003	211.4028
<b>Total</b>	<b>0.0730</b>	<b>0.0382</b>	<b>0.6292</b>	<b>2.0100e-003</b>	<b>0.2336</b>	<b>1.1300e-003</b>	<b>0.2347</b>	<b>0.0622</b>	<b>1.0400e-003</b>	<b>0.0633</b>		<b>209.9155</b>	<b>209.9155</b>	<b>4.6400e-003</b>	<b>4.6000e-003</b>	<b>211.4028</b>

**3.10 Paving (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0348	0.5939	1.9500e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889
<b>Total</b>	<b>0.0688</b>	<b>0.0348</b>	<b>0.5939</b>	<b>1.9500e-003</b>	<b>0.2464</b>	<b>1.0700e-003</b>	<b>0.2475</b>	<b>0.0654</b>	<b>9.9000e-004</b>	<b>0.0664</b>		<b>205.0867</b>	<b>205.0867</b>	<b>4.2400e-003</b>	<b>4.3500e-003</b>	<b>206.4889</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6832</b>	<b>2.4307</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0748</b>	<b>0.0748</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0348	0.5939	1.9500e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889
Total	0.0688	0.0348	0.5939	1.9500e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889

**3.11 Arch Coating (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>9.4890</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
<b>Total</b>	<b>0.4930</b>	<b>0.2686</b>	<b>4.2525</b>	<b>0.0132</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,362.2637</b>	<b>1,362.2637</b>	<b>0.0324</b>	<b>0.0311</b>	<b>1,372.3324</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
Total	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324

**3.11 Arch Coating (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
<b>Total</b>	<b>0.4624</b>	<b>0.2420</b>	<b>3.9848</b>	<b>0.0128</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,329.4649</b>	<b>1,329.4649</b>	<b>0.0294</b>	<b>0.0291</b>	<b>1,338.8841</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
Total	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841

**3.11 Arch Coating (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.4794</b>	<b>6.8000e-003</b>	<b>1.4862</b>	<b>0.3940</b>	<b>6.2600e-003</b>	<b>0.4003</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**3.12 Arch Coating (Apartments) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>9.4890</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
<b>Total</b>	<b>0.4930</b>	<b>0.2686</b>	<b>4.2525</b>	<b>0.0132</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,362.2637</b>	<b>1,362.2637</b>	<b>0.0324</b>	<b>0.0311</b>	<b>1,372.3324</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
Total	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324

**3.12 Arch Coating (Apartments) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
<b>Total</b>	<b>0.4624</b>	<b>0.2420</b>	<b>3.9848</b>	<b>0.0128</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,329.4649</b>	<b>1,329.4649</b>	<b>0.0294</b>	<b>0.0291</b>	<b>1,338.8841</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
Total	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841

**3.12 Arch Coating (Apartments) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629

**3.13 Arch Coating (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.4871</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.2048</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					



## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629

**3.13 Arch Coating (For Sale) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.4871</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4115	0.2021	3.5723	0.0120	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984
<b>Total</b>	<b>0.4115</b>	<b>0.2021</b>	<b>3.5723</b>	<b>0.0120</b>	<b>1.5608</b>	<b>6.4200e-003</b>	<b>1.5672</b>	<b>0.4140</b>	<b>5.9100e-003</b>	<b>0.4199</b>		<b>1,271.0720</b>	<b>1,271.0720</b>	<b>0.0246</b>	<b>0.0262</b>	<b>1,279.4984</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.2048</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4115	0.2021	3.5723	0.0120	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984
Total	0.4115	0.2021	3.5723	0.0120	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984

**3.13 Arch Coating (For Sale) - 2028****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.4871</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3889	0.1869	3.4134	0.0117	1.5608	6.0100e-003	1.5668	0.4140	5.5300e-003	0.4195		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714
<b>Total</b>	<b>0.3889</b>	<b>0.1869</b>	<b>3.4134</b>	<b>0.0117</b>	<b>1.5608</b>	<b>6.0100e-003</b>	<b>1.5668</b>	<b>0.4140</b>	<b>5.5300e-003</b>	<b>0.4195</b>		<b>1,246.3266</b>	<b>1,246.3266</b>	<b>0.0227</b>	<b>0.0251</b>	<b>1,254.3714</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.2048</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

SCS Dublin - Mitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3889	0.1869	3.4134	0.0117	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714
Total	0.3889	0.1869	3.4134	0.0117	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.040	56,914.040	2.8522	2.4998	57,730.280
Unmitigated	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.040	56,914.040	2.8522	2.4998	57,730.280

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	1,345.50	1,345.50	1345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3,214	3,214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	2,933.82	2,933.82	2933.82	8,178,699	8,178,699
Single Family Housing	780.00	780.00	780.00	2,028,892	2,028,892
Total	10,984.62	10,984.62	10,984.62	29,690,396	29,690,396

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

## SCS Dublin - Mitigated Construction - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
NaturalGas Unmitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

## 5.2 Energy by Land Use - NaturalGas

## Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8955.77	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5201.53	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6814.36	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit Down Restaurant)	10221.5	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24454.9	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1038.58	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10943.6	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387
Total		0.7293	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

## Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.95577	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5.20153	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6.81436	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit Down Restaurant)	10.2215	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24.4549	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SCS Dublin - Mitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Regional Shopping Center	1.03858	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10.9436	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387
Total		0.7293	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Unmitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

7.0 Water Detail

SCS Dublin - Mitigated Construction - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SCS Dublin - Mitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Mitigated Construction  
Alameda County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Architectural Coating - compliance with BAAQMD Regulation 8, Rule 3; Architectural Coatings
- Vehicle Trips - per trip gen table
- Woodstoves - BAAQMD rule compliance
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	36.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00
tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblFireplaces	NumberGas	58.50	0.00
tblFireplaces	NumberGas	16.50	0.00
tblFireplaces	NumberGas	37.50	0.00
tblFireplaces	NumberWood	66.30	0.00
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00



## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44
tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20
tblWoodstoves	NumberCatalytic	7.80	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberCatalytic	6.00	0.00
tblWoodstoves	NumberNoncatalytic	7.80	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	6.00	0.00

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

## Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4726	235.9893	184.0495	0.4054	76.4067	10.2471	86.6538	35.1492	9.4781	44.6273	0.0000	39,325.5122	39,325.5122	11.2280	0.2467	39,679.7133
2024	61.9602	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.8900	101,358.8900	18.5182	3.5197	102,857.3160
2025	53.7118	289.2111	371.9140	0.9294	68.6901	10.8218	79.5119	23.5360	10.0739	33.6099	0.0000	92,864.3291	92,864.3291	15.4986	3.4228	94,271.7877
2026	44.3509	199.7836	300.4635	0.7320	33.2571	7.3466	40.6037	8.9529	6.8759	15.8288	0.0000	73,721.4325	73,721.4325	9.9529	3.1579	74,911.3086
2027	24.1307	80.2771	113.3767	0.3425	21.0488	2.4343	23.4832	5.6708	2.2970	7.9678	0.0000	35,104.0218	35,104.0218	2.9112	2.0309	35,782.0032
2028	18.8822	41.2508	59.3027	0.1770	11.3049	1.2689	12.5738	3.0424	1.2002	4.2426	0.0000	18,173.0300	18,173.0300	1.4719	1.0058	18,509.5680
Maximum	61.9602	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.8900	101,358.8900	18.5182	3.5197	102,857.3160

## Mitigated Construction

SCS Dublin - Mitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.5670	25.7595	213.3574	0.4054	33.5426	0.7490	34.2916	15.2629	0.7475	16.0104	0.0000	39,325.5121	39,325.5121	11.2280	0.2467	39,679.7133
2024	37.2485	88.4810	467.1297	1.0184	64.1828	1.6971	65.8585	23.5877	1.6766	25.2420	0.0000	101,358.8899	101,358.8899	18.5182	3.5197	102,857.3159
2025	35.5581	82.6524	419.9643	0.9294	47.1038	1.4985	48.6022	14.8776	1.4776	16.3552	0.0000	92,864.3290	92,864.3290	15.4986	3.4228	94,271.7876
2026	39.9329	70.3103	329.1524	0.7320	31.5775	1.1842	32.7617	8.5406	1.1648	9.7054	0.0000	73,721.4325	73,721.4325	9.9529	3.1579	74,911.3085
2027	20.3940	38.6560	119.5448	0.3425	19.9876	0.5440	20.5317	5.4103	0.5319	5.9423	0.0000	35,104.0218	35,104.0218	2.9112	2.0309	35,782.0032
2028	16.8728	19.4235	62.4100	0.1770	10.7336	0.2762	11.0098	2.9022	0.2701	3.1723	0.0000	18,173.0300	18,173.0300	1.4719	1.0058	18,509.5680
Maximum	39.9329	88.4810	467.1297	1.0184	64.1828	1.6971	65.8585	23.5877	1.6766	25.2420	0.0000	101,358.8899	101,358.8899	18.5182	3.5197	102,857.3159

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.32	73.68	-11.27	0.00	35.07	87.55	41.80	41.26	86.80	53.39	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.1315	53,780.1315	3.1926	2.7075	54,666.7721
Total	54.2988	38.2620	295.8511	0.5486	62.5350	1.1656	63.7005	16.6572	1.1413	17.7985	0.0000	61,833.7110	61,833.7110	3.4389	2.8533	62,769.9784

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.1315	53,780.1315	3.1926	2.7075	54,666.7721
Total	54.2988	38.2620	295.8511	0.5486	62.5350	1.1656	63.7005	16.6572	1.1413	17.7985	0.0000	61,833.7110	61,833.7110	3.4389	2.8533	62,769.9784

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	
10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393	

Acres of Grading (Site Preparation Phase): 1176

Acres of Grading (Grading Phase): 6550

Acres of Paving: 18.29

Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Area:

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment  
 Replace Ground Cover  
 Water Exposed Area  
 Water Unpaved Roads  
 Reduce Vehicle Speed on Unpaved Roads  
 Clean Paved Roads

## 3.2 Demolition - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560		7,493.9680	7,493.9680	2.0987		7,546.4366
<b>Total</b>	<b>4.5382</b>	<b>42.9688</b>	<b>39.2867</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9951</b>	<b>2.6944</b>	<b>0.1059</b>	<b>1.8560</b>	<b>1.9619</b>		<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>		<b>7,546.4366</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4100e-003	0.4331	0.0972	1.9300e-003	0.0566	3.6200e-003	0.0602	0.0155	3.4700e-003	0.0190		207.7288	207.7288	4.3900e-003	0.0328	217.6189

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0848	0.0590	0.6924	2.0000e-003	0.2464	1.2400e-003	0.2477	0.0654	1.1400e-003	0.0665	204.7502	204.7502	6.4600e-003	6.0800e-003	206.7242
<b>Total</b>	<b>0.0912</b>	<b>0.4921</b>	<b>0.7896</b>	<b>3.9300e-003</b>	<b>0.3031</b>	<b>4.8600e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.6100e-003</b>	<b>0.0855</b>		<b>412.4790</b>	<b>412.4790</b>	<b>0.0109</b>	<b>424.3431</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	0.9246	4.0065	46.5597	0.0777		0.1233	0.1233		0.1233	0.1233	0.0000	7,493.9680	7,493.9680	2.0987		7,546.4366
<b>Total</b>	<b>0.9246</b>	<b>4.0065</b>	<b>46.5597</b>	<b>0.0777</b>	<b>0.2990</b>	<b>0.1233</b>	<b>0.4222</b>	<b>0.0453</b>	<b>0.1233</b>	<b>0.1685</b>	<b>0.0000</b>	<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>		<b>7,546.4366</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4100e-003	0.4331	0.0972	1.9300e-003	0.0541	3.6200e-003	0.0577	0.0149	3.4700e-003	0.0184		207.7288	207.7288	4.3900e-003	0.0328	217.6189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0848	0.0590	0.6924	2.0000e-003	0.2336	1.2400e-003	0.2348	0.0622	1.1400e-003	0.0634		204.7502	204.7502	6.4600e-003	6.0800e-003	206.7242
<b>Total</b>	<b>0.0912</b>	<b>0.4921</b>	<b>0.7896</b>	<b>3.9300e-003</b>	<b>0.2876</b>	<b>4.8600e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.6100e-003</b>	<b>0.0817</b>		<b>412.4790</b>	<b>412.4790</b>	<b>0.0109</b>	<b>0.0389</b>	<b>424.3431</b>

## 3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844		7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9203</b>	<b>2.6196</b>	<b>0.1059</b>	<b>1.7844</b>	<b>1.8903</b>		<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4000e-003	0.4351	0.0976	1.9000e-003	0.0566	3.6600e-003	0.0603	0.0155	3.5000e-003	0.0190		204.6850	204.6850	4.4200e-003	0.0323	214.4339

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665	199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0858</b>	<b>0.4877</b>	<b>0.7451</b>	<b>3.8400e-003</b>	<b>0.3031</b>	<b>4.8400e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.5800e-003</b>	<b>0.0855</b>	<b>404.3884</b>	<b>404.3884</b>	<b>0.0103</b>	<b>0.0380</b>	<b>415.9737</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000			0.0000
Off-Road	0.9246	4.0065	46.5597	0.0777		0.1233	0.1233		0.1233	0.1233	0.0000	7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>0.9246</b>	<b>4.0065</b>	<b>46.5597</b>	<b>0.0777</b>	<b>0.2990</b>	<b>0.1233</b>	<b>0.4222</b>	<b>0.0453</b>	<b>0.1233</b>	<b>0.1685</b>	<b>0.0000</b>	<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4000e-003	0.4351	0.0976	1.9000e-003	0.0541	3.6600e-003	0.0577	0.0149	3.5000e-003	0.0184		204.6850	204.6850	4.4200e-003	0.0323	214.4339
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0858</b>	<b>0.4877</b>	<b>0.7451</b>	<b>3.8400e-003</b>	<b>0.2876</b>	<b>4.8400e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.5800e-003</b>	<b>0.0817</b>		<b>404.3884</b>	<b>404.3884</b>	<b>0.0103</b>	<b>0.0380</b>	<b>415.9737</b>

## 3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0484</b>	<b>36.4886</b>	<b>0.0761</b>	<b>39.3140</b>	<b>2.5320</b>	<b>41.8461</b>	<b>20.2049</b>	<b>2.3295</b>	<b>22.5344</b>		<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SCS Dublin - Mitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0989	0.0688	0.8078	2.3300e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782
Total	0.0989	0.0688	0.8078	2.3300e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	0.9312	4.0350	41.7380	0.0761		0.1242	0.1242		0.1242	0.1242	0.0000	7,374.6162	7,374.6162	2.3851		7,434.2437
Total	0.9312	4.0350	41.7380	0.0761	16.8067	0.1242	16.9309	8.6376	0.1242	8.7617	0.0000	7,374.6162	7,374.6162	2.3851		7,434.2437

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0989	0.0688	0.8078	2.3300e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782
Total	0.0989	0.0688	0.8078	2.3300e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	39.3140	2.4587	41.7727	20.2049	2.2620	22.4669		7,376.0199	7,376.0199	2.3856		7,435.6588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000



## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000			0.0000
Off-Road	0.9312	4.0350	41.7380	0.0762		0.1242	0.1242		0.1242	0.1242	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588
<b>Total</b>	<b>0.9312</b>	<b>4.0350</b>	<b>41.7380</b>	<b>0.0762</b>	<b>16.8067</b>	<b>0.1242</b>	<b>16.9309</b>	<b>8.6376</b>	<b>0.1242</b>	<b>8.7617</b>	<b>0.0000</b>	<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>		<b>7,435.6588</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

## 3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471		16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.2903</b>	<b>38.9998</b>	<b>14.3885</b>	<b>3.9471</b>	<b>18.3355</b>		<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.3937	0.5372	0.0106	0.3129	0.0200	0.3329	0.0858	0.0192	0.1050		1,148.0648	1,148.0648	0.0243	0.1814	1,202.7248

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1413	0.0983	1.1541	3.3300e-003	0.4107	2.0600e-003	0.4128	0.1090	1.9000e-003	0.1108	341.2503	341.2503	0.0108	0.0101	344.5403
<b>Total</b>	<b>0.1768</b>	<b>2.4920</b>	<b>1.6913</b>	<b>0.0140</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2158</b>	<b>1,489.3151</b>	<b>1,489.3151</b>	<b>0.0350</b>	<b>0.1915</b>	<b>1,547.2652</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	2.1402	9.2743	85.4497	0.1745		0.2854	0.2854		0.2854	0.2854	0.0000	16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>2.1402</b>	<b>9.2743</b>	<b>85.4497</b>	<b>0.1745</b>	<b>14.8383</b>	<b>0.2854</b>	<b>15.1237</b>	<b>6.1511</b>	<b>0.2854</b>	<b>6.4364</b>	<b>0.0000</b>	<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.3937	0.5372	0.0106	0.2987	0.0200	0.3187	0.0823	0.0192	0.1015		1,148.0648	1,148.0648	0.0243	0.1814	1,202.7248
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1413	0.0983	1.1541	3.3300e-003	0.3893	2.0600e-003	0.3914	0.1037	1.9000e-003	0.1056		341.2503	341.2503	0.0108	0.0101	344.5403
<b>Total</b>	<b>0.1768</b>	<b>2.4920</b>	<b>1.6913</b>	<b>0.0140</b>	<b>0.6880</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2071</b>		<b>1,489.3151</b>	<b>1,489.3151</b>	<b>0.0350</b>	<b>0.1915</b>	<b>1,547.2652</b>

## 3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286		16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.0528</b>	<b>38.7623</b>	<b>14.3885</b>	<b>3.7286</b>	<b>18.1170</b>		<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.4045	0.5395	0.0105	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,131.2425	1,131.2425	0.0244	0.1788	1,185.1222

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.1323	0.0877	1.0792	3.2300e-003	0.4107	1.9600e-003	0.4127	0.1090	1.8100e-003	0.1108		332.8391	332.8391	9.7800e-003	9.4500e-003	335.8997
Total	0.1677	2.4922	1.6187	0.0137	0.7236	0.0222	0.7458	0.1948	0.0211	0.2159		1,464.0816	1,464.0816	0.0342	0.1882	1,521.0219

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	2.1402	9.2743	85.4497	0.1745		0.2854	0.2854		0.2854	0.2854	0.0000	16,892.1395	16,892.1395	5.4633		17,028.7210
<b>Total</b>	<b>2.1402</b>	<b>9.2743</b>	<b>85.4497</b>	<b>0.1745</b>	<b>14.8383</b>	<b>0.2854</b>	<b>15.1237</b>	<b>6.1511</b>	<b>0.2854</b>	<b>6.4364</b>	<b>0.0000</b>	<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>		<b>17,028.7210</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.4045	0.5395	0.0105	0.2987	0.0202	0.3189	0.0823	0.0193	0.1017		1,131.2425	1,131.2425	0.0244	0.1788	1,185.1222
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1323	0.0877	1.0792	3.2300e-003	0.3893	1.9600e-003	0.3913	0.1037	1.8100e-003	0.1055		332.8391	332.8391	9.7800e-003	9.4500e-003	335.8997
<b>Total</b>	<b>0.1677</b>	<b>2.4922</b>	<b>1.6187</b>	<b>0.0137</b>	<b>0.6881</b>	<b>0.0222</b>	<b>0.7102</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2072</b>		<b>1,464.0816</b>	<b>1,464.0816</b>	<b>0.0342</b>	<b>0.1882</b>	<b>1,521.0219</b>

## 3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706		16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>34.7095</b>	<b>3.4463</b>	<b>38.1558</b>	<b>14.3885</b>	<b>3.1706</b>	<b>17.5590</b>		<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	2.3963	0.5404	0.0103	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,110.4717	1,110.4717	0.0246	0.1755	1,163.3849

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.1244	0.0791	1.0143	3.1200e-003	0.4107	1.8800e-003	0.4126	0.1090	1.7300e-003	0.1107		324.8721	324.8721	8.9000e-003	8.8600e-003	327.7350
Total	0.1596	2.4754	1.5547	0.0134	0.7237	0.0221	0.7457	0.1948	0.0210	0.2158		1,435.3438	1,435.3438	0.0335	0.1844	1,491.1200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	2.1402	9.2743	85.4497	0.1744		0.2854	0.2854		0.2854	0.2854	0.0000	16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>2.1402</b>	<b>9.2743</b>	<b>85.4497</b>	<b>0.1744</b>	<b>14.8383</b>	<b>0.2854</b>	<b>15.1237</b>	<b>6.1511</b>	<b>0.2854</b>	<b>6.4364</b>	<b>0.0000</b>	<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	2.3963	0.5404	0.0103	0.2988	0.0202	0.3189	0.0823	0.0193	0.1016		1,110.4717	1,110.4717	0.0246	0.1755	1,163.3849
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1244	0.0791	1.0143	3.1200e-003	0.3893	1.8800e-003	0.3912	0.1037	1.7300e-003	0.1054		324.8721	324.8721	8.9000e-003	8.8600e-003	327.7350
<b>Total</b>	<b>0.1596</b>	<b>2.4754</b>	<b>1.5547</b>	<b>0.0134</b>	<b>0.6881</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2071</b>		<b>1,435.3438</b>	<b>1,435.3438</b>	<b>0.0335</b>	<b>0.1844</b>	<b>1,491.1200</b>

## 3.5 Infrastructure (Trenching) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
<b>Total</b>	<b>3.1455</b>	<b>28.7698</b>	<b>32.4880</b>	<b>0.0539</b>		<b>1.3995</b>	<b>1.3995</b>		<b>1.3169</b>	<b>1.3169</b>		<b>5,110.4199</b>	<b>5,110.4199</b>	<b>1.2157</b>		<b>5,140.8121</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.1272	0.0884	1.0387	3.0000e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863
<b>Total</b>	<b>0.1272</b>	<b>0.0884</b>	<b>1.0387</b>	<b>3.0000e-003</b>	<b>0.3697</b>	<b>1.8500e-003</b>	<b>0.3715</b>	<b>0.0981</b>	<b>1.7100e-003</b>	<b>0.0998</b>		<b>307.1253</b>	<b>307.1253</b>	<b>9.6900e-003</b>	<b>9.1200e-003</b>	<b>310.0863</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0770	5.3025	35.2827	0.0539		0.1860	0.1860		0.1860	0.1860	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
<b>Total</b>	<b>1.0770</b>	<b>5.3025</b>	<b>35.2827</b>	<b>0.0539</b>		<b>0.1860</b>	<b>0.1860</b>		<b>0.1860</b>	<b>0.1860</b>	<b>0.0000</b>	<b>5,110.4198</b>	<b>5,110.4198</b>	<b>1.2157</b>		<b>5,140.8121</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1272	0.0884	1.0387	3.0000e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863
<b>Total</b>	<b>0.1272</b>	<b>0.0884</b>	<b>1.0387</b>	<b>3.0000e-003</b>	<b>0.3504</b>	<b>1.8500e-003</b>	<b>0.3522</b>	<b>0.0933</b>	<b>1.7100e-003</b>	<b>0.0950</b>		<b>307.1253</b>	<b>307.1253</b>	<b>9.6900e-003</b>	<b>9.1200e-003</b>	<b>310.0863</b>

## 3.5 Infrastructure (Trenching) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1191	0.0790	0.9713	2.9000e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.1191	0.0790	0.9713	2.9000e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097
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**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
Total	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1191	0.0790	0.9713	2.9000e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097
Total	0.1191	0.0790	0.9713	2.9000e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097

**3.5 Infrastructure (Trenching) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1120	0.0712	0.9129	2.8100e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615
Total	0.1120	0.0712	0.9129	2.8100e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1120	0.0712	0.9129	2.8100e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615
<b>Total</b>	<b>0.1120</b>	<b>0.0712</b>	<b>0.9129</b>	<b>2.8100e-003</b>	<b>0.3504</b>	<b>1.6900e-003</b>	<b>0.3521</b>	<b>0.0933</b>	<b>1.5600e-003</b>	<b>0.0949</b>		<b>292.3849</b>	<b>292.3849</b>	<b>8.0100e-003</b>	<b>7.9700e-003</b>	<b>294.9615</b>

**3.5 Infrastructure (Trenching) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1058	0.0648	0.8636	2.7200e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		285.6883	285.6883	7.3200e-003	7.5400e-003	288.1172
<b>Total</b>	<b>0.1058</b>	<b>0.0648</b>	<b>0.8636</b>	<b>2.7200e-003</b>	<b>0.3697</b>	<b>1.6100e-003</b>	<b>0.3713</b>	<b>0.0981</b>	<b>1.4800e-003</b>	<b>0.0995</b>		<b>285.6883</b>	<b>285.6883</b>	<b>7.3200e-003</b>	<b>7.5400e-003</b>	<b>288.1172</b>

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1058	0.0648	0.8636	2.7200e-003	0.3504	1.6100e-003	0.3520	0.0933	1.4800e-003	0.0948		285.6883	285.6883	7.3200e-003	7.5400e-003	288.1172
<b>Total</b>	<b>0.1058</b>	<b>0.0648</b>	<b>0.8636</b>	<b>2.7200e-003</b>	<b>0.3504</b>	<b>1.6100e-003</b>	<b>0.3520</b>	<b>0.0933</b>	<b>1.4800e-003</b>	<b>0.0948</b>		<b>285.6883</b>	<b>285.6883</b>	<b>7.3200e-003</b>	<b>7.5400e-003</b>	<b>288.1172</b>

**3.6 Building Construction (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684		9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>		<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.7439</b>	<b>0.1134</b>	<b>9.8572</b>	<b>2.6284</b>	<b>0.1071</b>	<b>2.7355</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**Mitigated Construction On-Site**



## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3648	6.2729	68.1818	0.0970		0.1980	0.1980		0.1980	0.1980	0.0000	9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>1.3648</b>	<b>6.2729</b>	<b>68.1818</b>	<b>0.0970</b>		<b>0.1980</b>	<b>0.1980</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.2540</b>	<b>0.1134</b>	<b>9.3673</b>	<b>2.5081</b>	<b>0.1071</b>	<b>2.6152</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**3.6 Building Construction (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.7439</b>	<b>0.1118</b>	<b>9.8557</b>	<b>2.6284</b>	<b>0.1056</b>	<b>2.7340</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**Mitigated Construction On-Site**

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3488	6.2342	68.1698	0.0970		0.1914	0.1914		0.1914	0.1914	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>1.3488</b>	<b>6.2342</b>	<b>68.1698</b>	<b>0.0970</b>		<b>0.1914</b>	<b>0.1914</b>		<b>0.1914</b>	<b>0.1914</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**3.6 Building Construction (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	1.3488	6.2342	68.1698	0.0970		0.1914	0.1914		0.1914	0.1914	0.0000	9,318.9613	9,318.9613	2.6096	9,384.2011
<b>Total</b>	<b>1.3488</b>	<b>6.2342</b>	<b>68.1698</b>	<b>0.0970</b>		<b>0.1914</b>	<b>0.1914</b>		<b>0.1914</b>	<b>0.1914</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>	<b>9,384.2011</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**3.7 Paving (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839		4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>		<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Off-Road	0.6204	2.6883	38.2562	0.0516		0.0827	0.0827		0.0827	0.0827	0.0000	4,977.9905	4,977.9905	1.4596	5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
<b>Total</b>	<b>0.7085</b>	<b>2.6883</b>	<b>38.2562</b>	<b>0.0516</b>		<b>0.0827</b>	<b>0.0827</b>		<b>0.0827</b>	<b>0.0827</b>	<b>0.0000</b>	<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>	<b>5,014.4812</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**3.7 Paving (Commercial) - 2025**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0871	0.0554	0.7100	2.1800e-003	0.2875	1.3100e-003	0.2888	0.0763	1.2100e-003	0.0775		227.4105	227.4105	6.2300e-003	6.2000e-003	229.4145
<b>Total</b>	<b>0.0871</b>	<b>0.0554</b>	<b>0.7100</b>	<b>2.1800e-003</b>	<b>0.2875</b>	<b>1.3100e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.2100e-003</b>	<b>0.0775</b>		<b>227.4105</b>	<b>227.4105</b>	<b>6.2300e-003</b>	<b>6.2000e-003</b>	<b>229.4145</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Off-Road	0.6204	2.6883	38.2562	0.0515		0.0827	0.0827		0.0827	0.0827	0.0000	4,976.3864	4,976.3864	1.4581	5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
<b>Total</b>	<b>0.7085</b>	<b>2.6883</b>	<b>38.2562</b>	<b>0.0515</b>		<b>0.0827</b>	<b>0.0827</b>		<b>0.0827</b>	<b>0.0827</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>	<b>5,012.8393</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0871	0.0554	0.7100	2.1800e-003	0.2725	1.3100e-003	0.2738	0.0726	1.2100e-003	0.0738		227.4105	227.4105	6.2300e-003	6.2000e-003	229.4145
<b>Total</b>	<b>0.0871</b>	<b>0.0554</b>	<b>0.7100</b>	<b>2.1800e-003</b>	<b>0.2725</b>	<b>1.3100e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.2100e-003</b>	<b>0.0738</b>		<b>227.4105</b>	<b>227.4105</b>	<b>6.2300e-003</b>	<b>6.2000e-003</b>	<b>229.4145</b>

**3.7 Paving (Commercial) - 2026**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0823	0.0504	0.6717	2.1200e-003	0.2875	1.2500e-003	0.2888	0.0763	1.1500e-003	0.0774		222.2020	222.2020	5.7000e-003	5.8600e-003	224.0912
<b>Total</b>	<b>0.0823</b>	<b>0.0504</b>	<b>0.6717</b>	<b>2.1200e-003</b>	<b>0.2875</b>	<b>1.2500e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.1500e-003</b>	<b>0.0774</b>		<b>222.2020</b>	<b>222.2020</b>	<b>5.7000e-003</b>	<b>5.8600e-003</b>	<b>224.0912</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Off-Road	0.6204	2.6883	38.2562	0.0515		0.0827	0.0827		0.0827	0.0827	0.0000	4,976.3864	4,976.3864	1.4581	5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
<b>Total</b>	<b>0.7085</b>	<b>2.6883</b>	<b>38.2562</b>	<b>0.0515</b>		<b>0.0827</b>	<b>0.0827</b>		<b>0.0827</b>	<b>0.0827</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>	<b>5,012.8393</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0823	0.0504	0.6717	2.1200e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		222.2020	222.2020	5.7000e-003	5.8600e-003	224.0912
<b>Total</b>	<b>0.0823</b>	<b>0.0504</b>	<b>0.6717</b>	<b>2.1200e-003</b>	<b>0.2725</b>	<b>1.2500e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.1500e-003</b>	<b>0.0737</b>		<b>222.2020</b>	<b>222.2020</b>	<b>5.7000e-003</b>	<b>5.8600e-003</b>	<b>224.0912</b>

**3.8 Building Construction (Apartment) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.7439</b>	<b>0.1134</b>	<b>9.8572</b>	<b>2.6284</b>	<b>0.1071</b>	<b>2.7355</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Off-Road	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>1.0397</b>	<b>5.2230</b>	<b>35.2542</b>	<b>0.0539</b>		<b>0.1707</b>	<b>0.1707</b>		<b>0.1707</b>	<b>0.1707</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.2540</b>	<b>0.1134</b>	<b>9.3673</b>	<b>2.5081</b>	<b>0.1071</b>	<b>2.6152</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**3.8 Building Construction (Apartment) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.7439</b>	<b>0.1118</b>	<b>9.8557</b>	<b>2.6284</b>	<b>0.1056</b>	<b>2.7340</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**3.8 Building Construction (Apartment) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961



## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3890	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**3.8 Building Construction (Apartment) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.9318	0.0752	2.0070	0.5562	0.0720	0.6282		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.7440</b>	<b>0.1073</b>	<b>9.8513</b>	<b>2.6284</b>	<b>0.1015</b>	<b>2.7299</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.8492	0.0752	1.9245	0.5360	0.0720	0.6079		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.2541</b>	<b>0.1073</b>	<b>9.3614</b>	<b>2.5082</b>	<b>0.1015</b>	<b>2.6097</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

**3.9 Building Construction (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.7439</b>	<b>0.1134</b>	<b>9.8572</b>	<b>2.6284</b>	<b>0.1071</b>	<b>2.7355</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>1.0397</b>	<b>5.2230</b>	<b>35.2542</b>	<b>0.0539</b>		<b>0.1707</b>	<b>0.1707</b>		<b>0.1707</b>	<b>0.1707</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.2540</b>	<b>0.1134</b>	<b>9.3673</b>	<b>2.5081</b>	<b>0.1071</b>	<b>2.6152</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**3.9 Building Construction (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.7439</b>	<b>0.1118</b>	<b>9.8557</b>	<b>2.6284</b>	<b>0.1056</b>	<b>2.7340</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**3.9 Building Construction (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**3.9 Building Construction (For Sale) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.9318	0.0752	2.0070	0.5562	0.0720	0.6282		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.7440</b>	<b>0.1073</b>	<b>9.8513</b>	<b>2.6284</b>	<b>0.1015</b>	<b>2.7299</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>1.0076</b>	<b>5.1456</b>	<b>35.2301</b>	<b>0.0539</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1575</b>	<b>0.1575</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.8492	0.0752	1.9245	0.5360	0.0720	0.6079	6,658.7154	6,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017	5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.2541</b>	<b>0.1073</b>	<b>9.3614</b>	<b>2.5082</b>	<b>0.1015</b>	<b>2.6097</b>	<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

## 3.9 Building Construction (For Sale) - 2028

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2542	12.6278	3.5792	0.0519	1.9318	0.0747	2.0065	0.5563	0.0715	0.6277		5,545.8181	5,545.8181	0.0817	0.8319	5,795.7583
Worker	2.0055	1.1608	16.6161	0.0543	7.8122	0.0301	7.8423	2.0722	0.0277	2.0999		5,793.8213	5,793.8213	0.1314	0.1450	5,840.3150
Total	2.2597	13.7885	20.1953	0.1063	9.7441	0.1048	9.8488	2.6284	0.0991	2.7276		11,339.6394	11,339.6394	0.2131	0.9769	11,636.0733

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2542	12.6278	3.5792	0.0519	1.8493	0.0747	1.9240	0.5360	0.0715	0.6075	5,545.8181	5,545.8181	0.0817	0.8319	5,795.7583	
Worker	2.0055	1.1608	16.6161	0.0543	7.4049	0.0301	7.4349	1.9722	0.0277	1.9999	5,793.8213	5,793.8213	0.1314	0.1450	5,840.3150	
<b>Total</b>	<b>2.2597</b>	<b>13.7885</b>	<b>20.1953</b>	<b>0.1063</b>	<b>9.2542</b>	<b>0.1048</b>	<b>9.3589</b>	<b>2.5082</b>	<b>0.0991</b>	<b>2.6073</b>	<b>11,339.6394</b>	<b>11,339.6394</b>	<b>0.2131</b>	<b>0.9769</b>	<b>11,636.0733</b>	

**3.10 Paving (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.0986</b>	<b>19.0492</b>	<b>29.2515</b>	<b>0.0456</b>		<b>0.9370</b>	<b>0.9370</b>		<b>0.8621</b>	<b>0.8621</b>		<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0794</b>	<b>0.0526</b>	<b>0.6475</b>	<b>1.9400e-003</b>	<b>0.2464</b>	<b>1.1800e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0800e-003</b>	<b>0.0665</b>		<b>199.7034</b>	<b>199.7034</b>	<b>5.8700e-003</b>	<b>5.6700e-003</b>	<b>201.5398</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6832</b>	<b>2.4307</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0748</b>	<b>0.0748</b>	<b>0.0000</b>	<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
Total	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398

## 3.10 Paving (For Sale) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0746	0.0474	0.6086	1.8700e-003	0.2464	1.1300e-003	0.2476	0.0654	1.0400e-003	0.0664		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410
<b>Total</b>	<b>0.0746</b>	<b>0.0474</b>	<b>0.6086</b>	<b>1.8700e-003</b>	<b>0.2464</b>	<b>1.1300e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0400e-003</b>	<b>0.0664</b>		<b>194.9233</b>	<b>194.9233</b>	<b>5.3400e-003</b>	<b>5.3200e-003</b>	<b>196.6410</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6832</b>	<b>2.4307</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0748</b>	<b>0.0748</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					



## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0746	0.0474	0.6086	1.8700e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410
Total	0.0746	0.0474	0.6086	1.8700e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410

## 3.10 Paving (For Sale) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>		<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0706	0.0432	0.5757	1.8100e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782
<b>Total</b>	<b>0.0706</b>	<b>0.0432</b>	<b>0.5757</b>	<b>1.8100e-003</b>	<b>0.2464</b>	<b>1.0700e-003</b>	<b>0.2475</b>	<b>0.0654</b>	<b>9.9000e-004</b>	<b>0.0664</b>		<b>190.4589</b>	<b>190.4589</b>	<b>4.8800e-003</b>	<b>5.0200e-003</b>	<b>192.0782</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	2.4307	34.5913	0.0456		0.0748	0.0748		0.0748	0.0748	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6832</b>	<b>2.4307</b>	<b>34.5913</b>	<b>0.0456</b>		<b>0.0748</b>	<b>0.0748</b>		<b>0.0748</b>	<b>0.0748</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

SCS Dublin - Mitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0706	0.0432	0.5757	1.8100e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782
Total	0.0706	0.0432	0.5757	1.8100e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782

3.11 Arch Coating (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
Total	9.4890	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
Total	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0317		563.6885
Total	9.1869	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0317		563.6885

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
Total	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187

## 3.11 Arch Coating (Commercial) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
<b>Total</b>	<b>0.4727</b>	<b>0.3004</b>	<b>3.8543</b>	<b>0.0119</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,234.5141</b>	<b>1,234.5141</b>	<b>0.0338</b>	<b>0.0337</b>	<b>1,245.3931</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
Total	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931

**3.11 Arch Coating (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
<b>Total</b>	<b>0.4468</b>	<b>0.2735</b>	<b>3.6463</b>	<b>0.0115</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,206.2394</b>	<b>1,206.2394</b>	<b>0.0309</b>	<b>0.0318</b>	<b>1,216.4950</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

## 3.12 Arch Coating (Apartments) - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>9.4890</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
<b>Total</b>	<b>0.5027</b>	<b>0.3334</b>	<b>4.1010</b>	<b>0.0123</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,264.7884</b>	<b>1,264.7884</b>	<b>0.0372</b>	<b>0.0359</b>	<b>1,276.4187</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
Total	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187

## 3.12 Arch Coating (Apartments) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
<b>Total</b>	<b>0.4727</b>	<b>0.3004</b>	<b>3.8543</b>	<b>0.0119</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,234.5141</b>	<b>1,234.5141</b>	<b>0.0338</b>	<b>0.0337</b>	<b>1,245.3931</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
Total	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931

## 3.12 Arch Coating (Apartments) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.4692</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
<b>Total</b>	<b>0.4468</b>	<b>0.2735</b>	<b>3.6463</b>	<b>0.0115</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,206.2394</b>	<b>1,206.2394</b>	<b>0.0309</b>	<b>0.0318</b>	<b>1,216.4950</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>9.1869</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

**3.13 Arch Coating (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.4871</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
<b>Total</b>	<b>0.4468</b>	<b>0.2735</b>	<b>3.6463</b>	<b>0.0115</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,206.2394</b>	<b>1,206.2394</b>	<b>0.0309</b>	<b>0.0318</b>	<b>1,216.4950</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.2048</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					



## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

## 3.13 Arch Coating (For Sale) - 2027

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.4871</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4230	0.2509	3.4693	0.0112	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189
<b>Total</b>	<b>0.4230</b>	<b>0.2509</b>	<b>3.4693</b>	<b>0.0112</b>	<b>1.5608</b>	<b>6.4200e-003</b>	<b>1.5672</b>	<b>0.4140</b>	<b>5.9100e-003</b>	<b>0.4199</b>		<b>1,180.4883</b>	<b>1,180.4883</b>	<b>0.0284</b>	<b>0.0303</b>	<b>1,190.2189</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.2048</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4230	0.2509	3.4693	0.0112	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189
Total	0.4230	0.2509	3.4693	0.0112	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189

## 3.13 Arch Coating (For Sale) - 2028

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.4871</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4007	0.2319	3.3197	0.0109	1.5608	6.0100e-003	1.5668	0.4140	5.5300e-003	0.4195		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348
<b>Total</b>	<b>0.4007</b>	<b>0.2319</b>	<b>3.3197</b>	<b>0.0109</b>	<b>1.5608</b>	<b>6.0100e-003</b>	<b>1.5668</b>	<b>0.4140</b>	<b>5.5300e-003</b>	<b>0.4195</b>		<b>1,157.5458</b>	<b>1,157.5458</b>	<b>0.0263</b>	<b>0.0290</b>	<b>1,166.8348</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>13.2048</b>	<b>0.2575</b>	<b>3.6648</b>	<b>5.9400e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

SCS Dublin - Mitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4007	0.2319	3.3197	0.0109	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348
Total	0.4007	0.2319	3.3197	0.0109	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131	53,780.131	3.1926	2.7075	54,666.772
Unmitigated	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131	53,780.131	3.1926	2.7075	54,666.772

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	1,345.50	1,345.50	1345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3.214	3.214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	2,933.82	2,933.82	2933.82	8,178,699	8,178,699
Single Family Housing	780.00	780.00	780.00	2,028,892	2,028,892
Total	10,984.62	10,984.62	10,984.62	29,690,396	29,690,396

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	1.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

## SCS Dublin - Mitigated Construction - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841
NaturalGas Unmitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

## 5.2 Energy by Land Use - NaturalGas

## Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8955.77	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5201.53	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6814.36	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit Down Restaurant)	10221.5	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24454.9	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1038.58	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10943.6	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387
Total		0.7293	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

## Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.95577	0.0966	0.8253	0.3512	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	5.20153	0.0561	0.4794	0.2040	3.0600e-003		0.0388	0.0388		0.0388	0.0388		611.9446	611.9446	0.0117	0.0112	615.5811
Fast Food Restaurant w/o	6.81436	0.0735	0.6681	0.5612	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.6890	801.6890	0.0154	0.0147	806.4530
High Turnover (Sit Down Restaurant)	10.2215	0.1102	1.0021	0.8418	6.0100e-003		0.0762	0.0762		0.0762	0.0762		1,202.5334	1,202.5334	0.0231	0.0221	1,209.6795
Hotel	24.4549	0.2637	2.3975	2.0139	0.0144		0.1822	0.1822		0.1822	0.1822		2,877.0426	2,877.0426	0.0551	0.0528	2,894.1395
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Regional Shopping Center	1.03858	0.0112	0.1018	0.0855	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.1853	122.1853	2.3400e-003	2.2400e-003	122.9114
Single Family Housing	10.9436	0.1180	1.0085	0.4292	6.4400e-003		0.0815	0.0815		0.0815	0.0815		1,287.4878	1,287.4878	0.0247	0.0236	1,295.1387
Total		0.7293	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026	0.1525	0.1459	8,003.7841

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Unmitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

7.0 Water Detail

SCS Dublin - Mitigated Construction - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Operational  
Alameda County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Trips - per trip gen table
- Woodstoves - BAAQMD rule compliance
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939
- Energy Use - Per BAAQMD rule compliance - no natural gas

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00
tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblEnergyUse	NT24E	3,054.10	6,322.74
tblEnergyUse	NT24E	3,795.01	8,321.08
tblEnergyUse	NT24E	22.30	156.41
tblEnergyUse	NT24E	22.30	156.41
tblEnergyUse	NT24E	3.22	3.42
tblEnergyUse	NT24E	2.68	2.85
tblEnergyUse	NT24E	6,155.97	12,642.76
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	147.47	0.00
tblEnergyUse	NT24NG	147.47	0.00
tblEnergyUse	NT24NG	4.75	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	14,104.62	0.00
tblEnergyUse	T24NG	59.80	0.00
tblEnergyUse	T24NG	59.80	0.00
tblEnergyUse	T24NG	39.16	0.00
tblEnergyUse	T24NG	2.34	0.00
tblEnergyUse	T24NG	23,474.54	0.00
tblFireplaces	NumberGas	58.50	0.00
tblFireplaces	NumberGas	16.50	0.00
tblFireplaces	NumberGas	37.50	0.00
tblFireplaces	NumberWood	66.30	0.00
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00



## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20
tblWoodstoves	NumberCatalytic	7.80	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberCatalytic	6.00	0.00
tblWoodstoves	NumberNoncatalytic	7.80	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	6.00	0.00

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

## Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4682	235.7711	184.1909	0.4062	76.4067	10.2471	86.6538	35.1492	9.4781	44.6272	0.0000	39,408.379 2	39,408.379 2	11.2239	0.2420	39,761.097 4
2024	97.6456	385.9055	421.5621	1.0351	108.2915	15.6576	123.2206	43.8171	14.5391	57.6878	0.0000	103,085.80 30	103,085.80 30	18.4451	3.4253	104,554.03 80
2025	89.3886	285.8876	373.8762	0.9453	68.6901	10.8211	79.5112	23.5360	10.0732	33.6092	0.0000	94,528.494 6	94,528.494 6	15.4227	3.3351	95,907.934 0
2026	105.7260	196.7089	302.1322	0.7473	33.2571	7.3460	40.6031	8.9529	6.8753	15.8281	0.0000	75,321.563 6	75,321.563 6	9.8834	3.0764	76,485.407 1
2027	49.8239	78.3209	114.2767	0.3518	21.0488	2.4339	23.4827	5.6708	2.2966	7.9674	0.0000	36,081.696 4	36,081.696 4	2.8707	1.9821	36,744.129 2
2028	44.6172	40.2731	59.7493	0.1819	11.3049	1.2687	12.5736	3.0424	1.2000	4.2424	0.0000	18,696.460 5	18,696.460 5	1.4513	0.9806	19,024.947 2
Maximum	105.7260	385.9055	421.5621	1.0351	108.2915	15.6576	123.2206	43.8171	14.5391	57.6878	0.0000	103,085.80 30	103,085.80 30	18.4451	3.4253	104,554.03 80

## Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4682	235.7711	184.1909	0.4062	33.5426	10.2471	43.7897	15.2629	9.4781	24.7410	0.0000	39,408.379 2	39,408.379 2	11.2239	0.2420	39,761.097 4
2024	97.6456	385.9055	421.5621	1.0351	64.1828	15.6576	79.1120	23.5877	14.5391	37.4585	0.0000	103,085.80 29	103,085.80 29	18.4451	3.4253	104,554.03 80
2025	89.3886	285.8876	373.8762	0.9453	47.1038	10.8211	57.9249	14.8776	10.0732	24.9509	0.0000	94,528.494 6	94,528.494 6	15.4227	3.3351	95,907.934 0
2026	105.7260	196.7089	302.1322	0.7473	31.5775	7.3460	38.9235	8.5406	6.8753	15.4159	0.0000	75,321.563 6	75,321.563 6	9.8834	3.0764	76,485.407 1
2027	49.8239	78.3209	114.2767	0.3518	19.9876	2.4339	22.4215	5.4103	2.2966	7.7069	0.0000	36,081.696 4	36,081.696 4	2.8707	1.9821	36,744.129 2

SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2028	44.6172	40.2731	59.7493	0.1819	10.7336	1.2687	12.0023	2.9022	1.2000	4.1022	0.0000	18,696.460	18,696.460	1.4513	0.9806	19,024.947
Maximum	105.7260	385.9055	421.5621	1.0351	64.1828	15.6576	79.1120	23.5877	14.5391	37.4585	0.0000	103,085.8029	103,085.8029	18.4451	3.4253	104,554.0380

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.07	0.00	30.56	41.26	0.00	30.24	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.0401	56,914.0401	2.8522	2.4998	57,730.2804
Total	56.2248	28.0255	275.8275	0.5381	62.5350	0.6614	63.1964	16.6572	0.6372	17.2944	0.0000	57,011.1170	57,011.1170	2.9461	2.4998	57,829.7026

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.0401	56,914.0401	2.8522	2.4998	57,730.2804
Total	56.2248	28.0255	275.8275	0.5381	62.5350	0.6614	63.1964	16.6572	0.6372	17.2944	0.0000	57,011.1170	57,011.1170	2.9461	2.4998	57,829.7026

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction (Commercial)	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	

## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393

**Acres of Grading (Site Preparation Phase): 1176****Acres of Grading (Grading Phase): 6550****Acres of Paving: 18.29****Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Area:****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20
Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

**Trips and VMT**

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Transitional Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Commercial Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
For Sale Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Commercial Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Residential Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

## 3.2 Demolition - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560		7,493.9680	7,493.9680	2.0987		7,546.4366
Total	4.5382	42.9688	39.2867	0.0777	0.6993	1.9951	2.6944	0.1059	1.8560	1.9619		7,493.9680	7,493.9680	2.0987		7,546.4366

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8600e-003	0.4091	0.0958	1.9200e-003	0.0566	3.6200e-003	0.0602	0.0155	3.4600e-003	0.0190		207.5010	207.5010	4.4100e-003	0.0328	217.3806
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0834	0.0475	0.7207	2.1600e-003	0.2464	1.2400e-003	0.2477	0.0654	1.1400e-003	0.0665		220.5665	220.5665	5.6600e-003	5.2600e-003	222.2753
Total	0.0903	0.4565	0.8165	4.0800e-003	0.3031	4.8600e-003	0.3079	0.0809	4.6000e-003	0.0855		428.0675	428.0675	0.0101	0.0380	439.6559

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000		0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560	0.0000	7,493.9680	7,493.9680	2.0987	7,546.4366
<b>Total</b>	<b>4.5382</b>	<b>42.9688</b>	<b>39.2867</b>	<b>0.0777</b>	<b>0.2990</b>	<b>1.9951</b>	<b>2.2940</b>	<b>0.0453</b>	<b>1.8560</b>	<b>1.9012</b>	<b>0.0000</b>	<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>	<b>7,546.4366</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8600e-003	0.4091	0.0958	1.9200e-003	0.0541	3.6200e-003	0.0577	0.0149	3.4600e-003	0.0184		207.5010	207.5010	4.4100e-003	0.0328	217.3806
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0834	0.0475	0.7207	2.1600e-003	0.2336	1.2400e-003	0.2348	0.0622	1.1400e-003	0.0634		220.5665	220.5665	5.6600e-003	5.2600e-003	222.2753
<b>Total</b>	<b>0.0903</b>	<b>0.4565</b>	<b>0.8165</b>	<b>4.0800e-003</b>	<b>0.2876</b>	<b>4.8600e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.6000e-003</b>	<b>0.0817</b>		<b>428.0675</b>	<b>428.0675</b>	<b>0.0101</b>	<b>0.0380</b>	<b>439.6559</b>

## 3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844		7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9203</b>	<b>2.6196</b>	<b>0.1059</b>	<b>1.7844</b>	<b>1.8903</b>		<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8500e-003	0.4109	0.0962	1.8900e-003	0.0566	3.6500e-003	0.0603	0.0155	3.4900e-003	0.0190		204.4598	204.4598	4.4400e-003	0.0323	214.1984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0847</b>	<b>0.4533</b>	<b>0.7677</b>	<b>3.9800e-003</b>	<b>0.3031</b>	<b>4.8300e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.5700e-003</b>	<b>0.0855</b>		<b>419.5541</b>	<b>419.5541</b>	<b>9.5600e-003</b>	<b>0.0372</b>	<b>430.8824</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000		0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844	0.0000	7,494.8455	7,494.8455	2.0969	7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.2990</b>	<b>1.9203</b>	<b>2.2193</b>	<b>0.0453</b>	<b>1.7844</b>	<b>1.8297</b>	<b>0.0000</b>	<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>	<b>7,547.2690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.8500e-003	0.4109	0.0962	1.8900e-003	0.0541	3.6500e-003	0.0577	0.0149	3.4900e-003	0.0184		204.4598	204.4598	4.4400e-003	0.0323	214.1984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0847</b>	<b>0.4533</b>	<b>0.7677</b>	<b>3.9800e-003</b>	<b>0.2876</b>	<b>4.8300e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.5700e-003</b>	<b>0.0817</b>		<b>419.5541</b>	<b>419.5541</b>	<b>9.5600e-003</b>	<b>0.0372</b>	<b>430.8824</b>

**3.3 Site Preparation - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851		7,434.2437
<b>Total</b>	<b>5.3189</b>	<b>55.0484</b>	<b>36.4886</b>	<b>0.0761</b>	<b>39.3140</b>	<b>2.5320</b>	<b>41.8461</b>	<b>20.2049</b>	<b>2.3295</b>	<b>22.5344</b>		<b>7,374.6162</b>	<b>7,374.6162</b>	<b>2.3851</b>		<b>7,434.2437</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0973	0.0554	0.8408	2.5100e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776		257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212
<b>Total</b>	<b>0.0973</b>	<b>0.0554</b>	<b>0.8408</b>	<b>2.5100e-003</b>	<b>0.2875</b>	<b>1.4400e-003</b>	<b>0.2890</b>	<b>0.0763</b>	<b>1.3300e-003</b>	<b>0.0776</b>		<b>257.3276</b>	<b>257.3276</b>	<b>6.6000e-003</b>	<b>6.1400e-003</b>	<b>259.3212</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000		0.0000
Off-Road	5.3189	55.0483	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295	0.0000	7,374.6162	7,374.6162	2.3851	7,434.2437
Total	5.3189	55.0483	36.4886	0.0761	16.8067	2.5320	19.3388	8.6376	2.3295	10.9671	0.0000	7,374.6162	7,374.6162	2.3851	7,434.2437

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0973	0.0554	0.8408	2.5100e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212
Total	0.0973	0.0554	0.8408	2.5100e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		257.3276	257.3276	6.6000e-003	6.1400e-003	259.3212

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	39.3140	2.4587	41.7727	20.2049	2.2620	22.4669		7,376.0199	7,376.0199	2.3856		7,435.6588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
Total	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000		0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620	0.0000	7,376.0199	7,376.0199	2.3856	7,435.6588
<b>Total</b>	<b>5.3218</b>	<b>54.3520</b>	<b>36.6713</b>	<b>0.0762</b>	<b>16.8067</b>	<b>2.4587</b>	<b>19.2654</b>	<b>8.6376</b>	<b>2.2620</b>	<b>10.8996</b>	<b>0.0000</b>	<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>	<b>7,435.6588</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

**3.4 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471		16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.2903</b>	<b>38.9998</b>	<b>14.3885</b>	<b>3.9471</b>	<b>18.3355</b>		<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.2607	0.5294	0.0106	0.3129	0.0200	0.3329	0.0858	0.0191	0.1049		1,146.8058	1,146.8058	0.0244	0.1812	1,201.4079
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1391	0.0791	1.2011	3.5900e-003	0.4107	2.0600e-003	0.4128	0.1090	1.9000e-003	0.1108		367.6109	367.6109	9.4300e-003	8.7700e-003	370.4589
<b>Total</b>	<b>0.1770</b>	<b>2.3399</b>	<b>1.7305</b>	<b>0.0142</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0210</b>	<b>0.2158</b>		<b>1,514.4167</b>	<b>1,514.4167</b>	<b>0.0338</b>	<b>0.1900</b>	<b>1,571.8668</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471	0.0000	16,898.713 5	16,898.713 5	5.4654	17,035.348 2
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.2903</b>	<b>19.1286</b>	<b>6.1511</b>	<b>3.9471</b>	<b>10.0981</b>	<b>0.0000</b>	<b>16,898.713 5</b>	<b>16,898.713 5</b>	<b>5.4654</b>	<b>17,035.348 2</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.2607	0.5294	0.0106	0.2987	0.0200	0.3187	0.0823	0.0191	0.1015		1,146.8058	1,146.8058	0.0244	0.1812	1,201.4079
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1391	0.0791	1.2011	3.5900e-003	0.3893	2.0600e-003	0.3914	0.1037	1.9000e-003	0.1056		367.6109	367.6109	9.4300e-003	8.7700e-003	370.4589
<b>Total</b>	<b>0.1770</b>	<b>2.3399</b>	<b>1.7305</b>	<b>0.0142</b>	<b>0.6880</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2070</b>		<b>1,514.4167</b>	<b>1,514.4167</b>	<b>0.0338</b>	<b>0.1900</b>	<b>1,571.8668</b>

## 3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286		16,892.139 5	16,892.139 5	5.4633		17,028.721 0
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.0528</b>	<b>38.7623</b>	<b>14.3885</b>	<b>3.7286</b>	<b>18.1170</b>		<b>16,892.139 5</b>	<b>16,892.139 5</b>	<b>5.4633</b>		<b>17,028.721 0</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	2.2710	0.5318	0.0105	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,129.9978	1,129.9978	0.0246	0.1786	1,183.8204
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1297	0.0707	1.1191	3.4800e-003	0.4107	1.9600e-003	0.4127	0.1090	1.8100e-003	0.1108		358.4904	358.4904	8.5300e-003	8.1800e-003	361.1401
<b>Total</b>	<b>0.1676</b>	<b>2.3416</b>	<b>1.6509</b>	<b>0.0140</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7458</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2159</b>		<b>1,488.4882</b>	<b>1,488.4882</b>	<b>0.0331</b>	<b>0.1867</b>	<b>1,544.9605</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286	0.0000	16,892.139 5	16,892.139 5	5.4633	17,028.721 0
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.0528</b>	<b>18.8911</b>	<b>6.1511</b>	<b>3.7286</b>	<b>9.8796</b>	<b>0.0000</b>	<b>16,892.139 5</b>	<b>16,892.139 5</b>	<b>5.4633</b>	<b>17,028.721 0</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	2.2710	0.5318	0.0105	0.2987	0.0202	0.3189	0.0823	0.0193	0.1016		1,129.9978	1,129.9978	0.0246	0.1786	1,183.8204
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1297	0.0707	1.1191	3.4800e-003	0.3893	1.9600e-003	0.3913	0.1037	1.8100e-003	0.1055		358.4904	358.4904	8.5300e-003	8.1800e-003	361.1401
<b>Total</b>	<b>0.1676</b>	<b>2.3416</b>	<b>1.6509</b>	<b>0.0140</b>	<b>0.6881</b>	<b>0.0221</b>	<b>0.7102</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2071</b>		<b>1,488.4882</b>	<b>1,488.4882</b>	<b>0.0331</b>	<b>0.1867</b>	<b>1,544.9605</b>

**3.4 Grading - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706		16,886.580 8	16,886.580 8	5.4615		17,023.117 3
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>34.7095</b>	<b>3.4463</b>	<b>38.1558</b>	<b>14.3885</b>	<b>3.1706</b>	<b>17.5590</b>		<b>16,886.580 8</b>	<b>16,886.580 8</b>	<b>5.4615</b>		<b>17,023.117 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0377	2.2633	0.5327	0.0103	0.3129	0.0201	0.3331	0.0858	0.0193	0.1051		1,109.2451	1,109.2451	0.0247	0.1753	1,162.1022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1217	0.0637	1.0486	3.3600e-003	0.4107	1.8800e-003	0.4126	0.1090	1.7300e-003	0.1107		349.8592	349.8592	7.7400e-003	7.6700e-003	352.3379
<b>Total</b>	<b>0.1594</b>	<b>2.3269</b>	<b>1.5813</b>	<b>0.0136</b>	<b>0.7237</b>	<b>0.0220</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0210</b>	<b>0.2158</b>		<b>1,459.1043</b>	<b>1,459.1043</b>	<b>0.0324</b>	<b>0.1830</b>	<b>1,514.4401</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706	0.0000	16,886.5808	16,886.5808	5.4615	17,023.1173
Total	8.7302	86.3597	66.0883	0.1744	14.8383	3.4463	18.2846	6.1511	3.1706	9.3217	0.0000	16,886.5808	16,886.5808	5.4615	17,023.1173

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0377	2.2633	0.5327	0.0103	0.2988	0.0201	0.3189	0.0823	0.0193	0.1016		1,109.2451	1,109.2451	0.0247	0.1753	1,162.1022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1217	0.0637	1.0486	3.3600e-003	0.3893	1.8800e-003	0.3912	0.1037	1.7300e-003	0.1054		349.8592	349.8592	7.7400e-003	7.6700e-003	352.3379
Total	0.1594	2.3269	1.5813	0.0136	0.6881	0.0220	0.7101	0.1860	0.0210	0.2070		1,459.1043	1,459.1043	0.0324	0.1830	1,514.4401

## 3.5 Infrastructure (Trenching) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
Total	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1252	0.0712	1.0810	3.2300e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130
Total	0.1252	0.0712	1.0810	3.2300e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1252	0.0712	1.0810	3.2300e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130
Total	0.1252	0.0712	1.0810	3.2300e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		330.8498	330.8498	8.4900e-003	7.8900e-003	333.4130

## 3.5 Infrastructure (Trenching) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1168	0.0636	1.0072	3.1300e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261
Total	0.1168	0.0636	1.0072	3.1300e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1168	0.0636	1.0072	3.1300e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		322.6414	322.6414	7.6800e-003	7.3600e-003	325.0261
<b>Total</b>	<b>0.1168</b>	<b>0.0636</b>	<b>1.0072</b>	<b>3.1300e-003</b>	<b>0.3504</b>	<b>1.7700e-003</b>	<b>0.3522</b>	<b>0.0933</b>	<b>1.6300e-003</b>	<b>0.0950</b>		<b>322.6414</b>	<b>322.6414</b>	<b>7.6800e-003</b>	<b>7.3600e-003</b>	<b>325.0261</b>

**3.5 Infrastructure (Trenching) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1095	0.0573	0.9438	3.0200e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041
<b>Total</b>	<b>0.1095</b>	<b>0.0573</b>	<b>0.9438</b>	<b>3.0200e-003</b>	<b>0.3697</b>	<b>1.6900e-003</b>	<b>0.3714</b>	<b>0.0981</b>	<b>1.5600e-003</b>	<b>0.0996</b>		<b>314.8733</b>	<b>314.8733</b>	<b>6.9700e-003</b>	<b>6.9000e-003</b>	<b>317.1041</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1095	0.0573	0.9438	3.0200e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041
Total	0.1095	0.0573	0.9438	3.0200e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		314.8733	314.8733	6.9700e-003	6.9000e-003	317.1041

## 3.5 Infrastructure (Trenching) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0522	0.8909	2.9300e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		307.6301	307.6301	6.3600e-003	6.5200e-003	309.7333
Total	0.1032	0.0522	0.8909	2.9300e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		307.6301	307.6301	6.3600e-003	6.5200e-003	309.7333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0522	0.8909	2.9300e-003	0.3504	1.6100e-003	0.3520	0.0933	1.4800e-003	0.0948		307.6301	307.6301	6.3600e-003	6.5200e-003	309.7333
<b>Total</b>	<b>0.1032</b>	<b>0.0522</b>	<b>0.8909</b>	<b>2.9300e-003</b>	<b>0.3504</b>	<b>1.6100e-003</b>	<b>0.3520</b>	<b>0.0933</b>	<b>1.4800e-003</b>	<b>0.0948</b>		<b>307.6301</b>	<b>307.6301</b>	<b>6.3600e-003</b>	<b>6.5200e-003</b>	<b>309.7333</b>

**3.6 Building Construction (Commercial) - 2024**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684		9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>		<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.7439</b>	<b>0.1131</b>	<b>9.8570</b>	<b>2.6284</b>	<b>0.1069</b>	<b>2.7352</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684	0.0000	9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>	<b>0.0000</b>	<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>



## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>		<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.6 Building Construction (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**3.6 Building Construction (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

## 3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839		4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>		<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839	0.0000	4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>	<b>0.0000</b>	<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

Mitigated Construction Off-Site

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0495	0.7834	2.4300e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		250.9433	250.9433	5.9700e-003	5.7200e-003	252.7981
<b>Total</b>	<b>0.0908</b>	<b>0.0495</b>	<b>0.7834</b>	<b>2.4300e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>250.9433</b>	<b>250.9433</b>	<b>5.9700e-003</b>	<b>5.7200e-003</b>	<b>252.7981</b>

## 3.7 Paving (Commercial) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0852	0.0446	0.7340	2.3500e-003	0.2875	1.3100e-003	0.2888	0.0763	1.2100e-003	0.0775		244.9014	244.9014	5.4200e-003	5.3700e-003	246.6366
<b>Total</b>	<b>0.0852</b>	<b>0.0446</b>	<b>0.7340</b>	<b>2.3500e-003</b>	<b>0.2875</b>	<b>1.3100e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.2100e-003</b>	<b>0.0775</b>		<b>244.9014</b>	<b>244.9014</b>	<b>5.4200e-003</b>	<b>5.3700e-003</b>	<b>246.6366</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

## Mitigated Construction Off-Site

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0852	0.0446	0.7340	2.3500e-003	0.2725	1.3100e-003	0.2738	0.0726	1.2100e-003	0.0738		244.9014	244.9014	5.4200e-003	5.3700e-003	246.6366
<b>Total</b>	<b>0.0852</b>	<b>0.0446</b>	<b>0.7340</b>	<b>2.3500e-003</b>	<b>0.2725</b>	<b>1.3100e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.2100e-003</b>	<b>0.0738</b>		<b>244.9014</b>	<b>244.9014</b>	<b>5.4200e-003</b>	<b>5.3700e-003</b>	<b>246.6366</b>

## 3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0803	0.0406	0.6929	2.2800e-003	0.2875	1.2500e-003	0.2888	0.0763	1.1500e-003	0.0774		239.2679	239.2679	4.9400e-003	5.0700e-003	240.9037
<b>Total</b>	<b>0.0803</b>	<b>0.0406</b>	<b>0.6929</b>	<b>2.2800e-003</b>	<b>0.2875</b>	<b>1.2500e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.1500e-003</b>	<b>0.0774</b>		<b>239.2679</b>	<b>239.2679</b>	<b>4.9400e-003</b>	<b>5.0700e-003</b>	<b>240.9037</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Mitigated Construction Off-Site

SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0803	0.0406	0.6929	2.2800e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		239.2679	239.2679	4.9400e-003	5.0700e-003	240.9037
Total	0.0803	0.0406	0.6929	2.2800e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		239.2679	239.2679	4.9400e-003	5.0700e-003	240.9037

3.8 Building Construction (Apartment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
Total	2.7558	13.4094	24.9263	0.1221	9.7439	0.1131	9.8570	2.6284	0.1069	2.7352		12,797.6402	12,797.6402	0.2453	1.0509	13,116.9430

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085	5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065	6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
<b>Total</b>	<b>2.7558</b>	<b>13.4094</b>	<b>24.9263</b>	<b>0.1221</b>	<b>9.2540</b>	<b>0.1131</b>	<b>9.3671</b>	<b>2.5081</b>	<b>0.1069</b>	<b>2.6150</b>	<b>12,797.6402</b>	<b>12,797.6402</b>	<b>0.2453</b>	<b>1.0509</b>	<b>13,116.9430</b>

**3.8 Building Construction (Apartment) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085	5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051	6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>	<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

## 3.8 Building Construction (Apartment) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770



## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	5,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

**3.8 Building Construction (Apartment) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.9318	0.0750	2.0068	0.5562	0.0718	0.6280		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.7440</b>	<b>0.1071</b>	<b>9.8511</b>	<b>2.6284</b>	<b>0.1013</b>	<b>2.7297</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.8492	0.0750	1.9243	0.5360	0.0718	0.6077		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.3323	12.9745	21.3738	0.1130	9.2541	0.1071	9.3612	2.5082	0.1013	2.6095		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4
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## 3.9 Building Construction (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.9316	0.0758	2.0074	0.5562	0.0725	0.6287		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
Total	2.7558	13.4094	24.9263	0.1221	9.7439	0.1131	9.8570	2.6284	0.1069	2.7352		12,797.640 2	12,797.640 2	0.2453	1.0509	13,116.943 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2883	12.0652	3.6416	0.0560	1.8491	0.0758	1.9249	0.5359	0.0725	0.6085		5,979.1520	5,979.1520	0.0830	0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,818.4882	6,818.4882	0.1623	0.1555	6,868.8847
Total	2.7558	13.4094	24.9263	0.1221	9.2540	0.1131	9.3671	2.5081	0.1069	2.6150		12,797.640 2	12,797.640 2	0.2453	1.0509	13,116.943 0

## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****3.9 Building Construction (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.9317	0.0758	2.0075	0.5562	0.0725	0.6287		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.7439</b>	<b>0.1115</b>	<b>9.8554</b>	<b>2.6284</b>	<b>0.1054</b>	<b>2.7338</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2822	12.0547	3.5823	0.0550	1.8491	0.0758	1.9250	0.5360	0.0725	0.6085		5,872.5825	5,872.5825	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
<b>Total</b>	<b>2.5967</b>	<b>13.2662</b>	<b>23.5272</b>	<b>0.1189</b>	<b>9.2540</b>	<b>0.1115</b>	<b>9.3656</b>	<b>2.5081</b>	<b>0.1054</b>	<b>2.6136</b>		<b>12,526.9044</b>	<b>12,526.9044</b>	<b>0.2302</b>	<b>1.0257</b>	<b>12,838.3110</b>

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 3.9 Building Construction (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.9317	0.0755	2.0072	0.5562	0.0722	0.6285		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.7440</b>	<b>0.1096</b>	<b>9.8535</b>	<b>2.6284</b>	<b>0.1036</b>	<b>2.7320</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492	0.0755	1.9247	0.5360	0.0722	0.6082		5,764.8632	5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266	0.0619	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
<b>Total</b>	<b>2.4583</b>	<b>13.1208</b>	<b>22.3612</b>	<b>0.1159</b>	<b>9.2541</b>	<b>0.1096</b>	<b>9.3636</b>	<b>2.5082</b>	<b>0.1036</b>	<b>2.6117</b>		<b>12,266.1125</b>	<b>12,266.1125</b>	<b>0.2173</b>	<b>1.0018</b>	<b>12,570.0745</b>

## 3.9 Building Construction (For Sale) - 2027

Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.9318	0.0750	2.0068	0.5562	0.0718	0.6280		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.7440</b>	<b>0.1071</b>	<b>9.8511</b>	<b>2.6284</b>	<b>0.1013</b>	<b>2.7297</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2725	11.9627	3.4937	0.0529	1.8492	0.0750	1.9243	0.5360	0.0718	0.6077		5,648.8658	5,648.8658	0.0827	0.8467	5,903.2615
Worker	2.0598	1.0118	17.8801	0.0601	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260
<b>Total</b>	<b>2.3323</b>	<b>12.9745</b>	<b>21.3738</b>	<b>0.1130</b>	<b>9.2541</b>	<b>0.1071</b>	<b>9.3612</b>	<b>2.5082</b>	<b>0.1013</b>	<b>2.6095</b>		<b>12,010.9155</b>	<b>12,010.9155</b>	<b>0.2058</b>	<b>0.9779</b>	<b>12,307.4874</b>

**3.9 Building Construction (For Sale) - 2028****Unmitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2689	11.9203	3.4634	0.0518	1.9318	0.0745	2.0063	0.5563	0.0713	0.6275		5,536.0965	5,536.0965	0.0825	0.8299	5,785.4570
Worker	1.9465	0.9355	17.0850	0.0585	7.8122	0.0301	7.8423	2.0722	0.0277	2.0999		6,238.1926	6,238.1926	0.1135	0.1256	6,278.4589
<b>Total</b>	<b>2.2153</b>	<b>12.8559</b>	<b>20.5483</b>	<b>0.1103</b>	<b>9.7441</b>	<b>0.1046</b>	<b>9.8486</b>	<b>2.6284</b>	<b>0.0989</b>	<b>2.7274</b>		<b>11,774.2890</b>	<b>11,774.2890</b>	<b>0.1960</b>	<b>0.9555</b>	<b>12,063.9160</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2689	11.9203	3.4634	0.0518	1.8493	0.0745	1.9238	0.5360	0.0713	0.6073		5,536.0965	5,536.0965	0.0825	0.8299	5,785.4570
Worker	1.9465	0.9355	17.0850	0.0585	7.4049	0.0301	7.4349	1.9722	0.0277	1.9999		6,238.1926	6,238.1926	0.1135	0.1256	6,278.4589
<b>Total</b>	<b>2.2153</b>	<b>12.8559</b>	<b>20.5483</b>	<b>0.1103</b>	<b>9.2542</b>	<b>0.1046</b>	<b>9.3587</b>	<b>2.5082</b>	<b>0.0989</b>	<b>2.6071</b>		<b>11,774.2890</b>	<b>11,774.2890</b>	<b>0.1960</b>	<b>0.9555</b>	<b>12,063.9160</b>

**3.10 Paving (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0986	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0778</b>	<b>0.0424</b>	<b>0.6714</b>	<b>2.0900e-003</b>	<b>0.2464</b>	<b>1.1800e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0800e-003</b>	<b>0.0665</b>		<b>215.0943</b>	<b>215.0943</b>	<b>5.1200e-003</b>	<b>4.9100e-003</b>	<b>216.6841</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621	0.0000	4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.0986</b>	<b>19.0492</b>	<b>29.2515</b>	<b>0.0456</b>		<b>0.9370</b>	<b>0.9370</b>		<b>0.8621</b>	<b>0.8621</b>	<b>0.0000</b>	<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0778	0.0424	0.6714	2.0900e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		215.0943	215.0943	5.1200e-003	4.9100e-003	216.6841
<b>Total</b>	<b>0.0778</b>	<b>0.0424</b>	<b>0.6714</b>	<b>2.0900e-003</b>	<b>0.2336</b>	<b>1.1800e-003</b>	<b>0.2348</b>	<b>0.0622</b>	<b>1.0800e-003</b>	<b>0.0633</b>		<b>215.0943</b>	<b>215.0943</b>	<b>5.1200e-003</b>	<b>4.9100e-003</b>	<b>216.6841</b>

**3.10 Paving (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day									lb/day							
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756	
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.9525	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701			4,413.4903	4,413.4903	1.4274		4,449.1756

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0382	0.6292	2.0100e-003	0.2464	1.1300e-003	0.2476	0.0654	1.0400e-003	0.0664		209.9155	209.9155	4.6400e-003	4.6000e-003	211.4028
<b>Total</b>	<b>0.0730</b>	<b>0.0382</b>	<b>0.6292</b>	<b>2.0100e-003</b>	<b>0.2464</b>	<b>1.1300e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0400e-003</b>	<b>0.0664</b>		<b>209.9155</b>	<b>209.9155</b>	<b>4.6400e-003</b>	<b>4.6000e-003</b>	<b>211.4028</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0382	0.6292	2.0100e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		209.9155	209.9155	4.6400e-003	4.6000e-003	211.4028
<b>Total</b>	<b>0.0730</b>	<b>0.0382</b>	<b>0.6292</b>	<b>2.0100e-003</b>	<b>0.2336</b>	<b>1.1300e-003</b>	<b>0.2347</b>	<b>0.0622</b>	<b>1.0400e-003</b>	<b>0.0633</b>		<b>209.9155</b>	<b>209.9155</b>	<b>4.6400e-003</b>	<b>4.6000e-003</b>	<b>211.4028</b>

**3.10 Paving (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9525	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0348	0.5939	1.9500e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889
Total	0.0688	0.0348	0.5939	1.9500e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9525	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0348	0.5939	1.9500e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889
Total	0.0688	0.0348	0.5939	1.9500e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		205.0867	205.0867	4.2400e-003	4.3500e-003	206.4889

3.11 Arch Coating (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>	<b>563.6885</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
<b>Total</b>	<b>0.4930</b>	<b>0.2686</b>	<b>4.2525</b>	<b>0.0132</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,362.2637</b>	<b>1,362.2637</b>	<b>0.0324</b>	<b>0.0311</b>	<b>1,372.3324</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
<b>Total</b>	<b>0.4930</b>	<b>0.2686</b>	<b>4.2525</b>	<b>0.0132</b>	<b>1.4794</b>	<b>7.4500e-003</b>	<b>1.4869</b>	<b>0.3940</b>	<b>6.8600e-003</b>	<b>0.4009</b>		<b>1,362.2637</b>	<b>1,362.2637</b>	<b>0.0324</b>	<b>0.0311</b>	<b>1,372.3324</b>

**3.11 Arch Coating (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
<b>Total</b>	<b>0.4624</b>	<b>0.2420</b>	<b>3.9848</b>	<b>0.0128</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,329.4649</b>	<b>1,329.4649</b>	<b>0.0294</b>	<b>0.0291</b>	<b>1,338.8841</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
<b>Total</b>	<b>0.4624</b>	<b>0.2420</b>	<b>3.9848</b>	<b>0.0128</b>	<b>1.4794</b>	<b>7.1400e-003</b>	<b>1.4866</b>	<b>0.3940</b>	<b>6.5700e-003</b>	<b>0.4006</b>		<b>1,329.4649</b>	<b>1,329.4649</b>	<b>0.0294</b>	<b>0.0291</b>	<b>1,338.8841</b>

## 3.11 Arch Coating (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307	563.6637

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
Total	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629

3.12 Arch Coating (Apartments) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>	<b>563.6885</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
<b>Total</b>	<b>0.4930</b>	<b>0.2686</b>	<b>4.2525</b>	<b>0.0132</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,362.2637</b>	<b>1,362.2637</b>	<b>0.0324</b>	<b>0.0311</b>	<b>1,372.3324</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
<b>Total</b>	<b>0.4930</b>	<b>0.2686</b>	<b>4.2525</b>	<b>0.0132</b>	<b>1.4794</b>	<b>7.4500e-003</b>	<b>1.4869</b>	<b>0.3940</b>	<b>6.8600e-003</b>	<b>0.4009</b>		<b>1,362.2637</b>	<b>1,362.2637</b>	<b>0.0324</b>	<b>0.0311</b>	<b>1,372.3324</b>

**3.12 Arch Coating (Apartments) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
<b>Total</b>	<b>0.4624</b>	<b>0.2420</b>	<b>3.9848</b>	<b>0.0128</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,329.4649</b>	<b>1,329.4649</b>	<b>0.0294</b>	<b>0.0291</b>	<b>1,338.8841</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
<b>Total</b>	<b>0.4624</b>	<b>0.2420</b>	<b>3.9848</b>	<b>0.0128</b>	<b>1.4794</b>	<b>7.1400e-003</b>	<b>1.4866</b>	<b>0.3940</b>	<b>6.5700e-003</b>	<b>0.4006</b>		<b>1,329.4649</b>	<b>1,329.4649</b>	<b>0.0294</b>	<b>0.0291</b>	<b>1,338.8841</b>

**3.12 Arch Coating (Apartments) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.4794</b>	<b>6.8000e-003</b>	<b>1.4862</b>	<b>0.3940</b>	<b>6.2600e-003</b>	<b>0.4003</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**3.13 Arch Coating (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
<b>Total</b>	<b>0.4358</b>	<b>0.2204</b>	<b>3.7614</b>	<b>0.0124</b>	<b>1.4794</b>	<b>6.8000e-003</b>	<b>1.4862</b>	<b>0.3940</b>	<b>6.2600e-003</b>	<b>0.4003</b>		<b>1,298.8826</b>	<b>1,298.8826</b>	<b>0.0268</b>	<b>0.0276</b>	<b>1,307.7629</b>

**3.13 Arch Coating (For Sale) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307	563.6637

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4115	0.2021	3.5723	0.0120	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984
Total	0.4115	0.2021	3.5723	0.0120	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	39.2782	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4115	0.2021	3.5723	0.0120	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984
Total	0.4115	0.2021	3.5723	0.0120	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,271.0720	1,271.0720	0.0246	0.0262	1,279.4984

3.13 Arch Coating (For Sale) - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3889	0.1869	3.4134	0.0117	1.5608	6.0100e-003	1.5668	0.4140	5.5300e-003	0.4195		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714
<b>Total</b>	<b>0.3889</b>	<b>0.1869</b>	<b>3.4134</b>	<b>0.0117</b>	<b>1.5608</b>	<b>6.0100e-003</b>	<b>1.5668</b>	<b>0.4140</b>	<b>5.5300e-003</b>	<b>0.4195</b>		<b>1,246.3266</b>	<b>1,246.3266</b>	<b>0.0227</b>	<b>0.0251</b>	<b>1,254.3714</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3889	0.1869	3.4134	0.0117	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,246.3266	1,246.3266	0.0227	0.0251	1,254.3714
<b>Total</b>	<b>0.3889</b>	<b>0.1869</b>	<b>3.4134</b>	<b>0.0117</b>	<b>1.4794</b>	<b>6.0100e-003</b>	<b>1.4854</b>	<b>0.3940</b>	<b>5.5300e-003</b>	<b>0.3996</b>		<b>1,246.3266</b>	<b>1,246.3266</b>	<b>0.0227</b>	<b>0.0251</b>	<b>1,254.3714</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.040	56,914.040	2.8522	2.4998	57,730.280
Unmitigated	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.040	56,914.040	2.8522	2.4998	57,730.280

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,345.50	1,345.50	1345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3,214	3,214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	2,933.82	2,933.82	2933.82	8,178,699	8,178,699
Single Family Housing	780.00	780.00	780.00	2,028,892	2,028,892
Total	10,984.62	10,984.62	10,984.62	29,690,396	29,690,396

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Operational - Alameda County, Summer

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## 5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o High Turnover (Sit-Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o High Turnover (Sit-Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Unmitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

SCS Dublin - Operational - Alameda County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Operational  
Alameda County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Trips - per trip gen table
- Woodstoves - BAAQMD rule compliance
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939
- Energy Use - Per BAAQMD rule compliance - no natural gas

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00
tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblEnergyUse	NT24E	3,054.10	6,322.74
tblEnergyUse	NT24E	3,795.01	8,321.08
tblEnergyUse	NT24E	22.30	156.41
tblEnergyUse	NT24E	22.30	156.41
tblEnergyUse	NT24E	3.22	3.42
tblEnergyUse	NT24E	2.68	2.85
tblEnergyUse	NT24E	6,155.97	12,642.76
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	147.47	0.00
tblEnergyUse	NT24NG	147.47	0.00
tblEnergyUse	NT24NG	4.75	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	14,104.62	0.00
tblEnergyUse	T24NG	59.80	0.00
tblEnergyUse	T24NG	59.80	0.00
tblEnergyUse	T24NG	39.16	0.00
tblEnergyUse	T24NG	2.34	0.00
tblEnergyUse	T24NG	23,474.54	0.00
tblFireplaces	NumberGas	58.50	0.00
tblFireplaces	NumberGas	16.50	0.00
tblFireplaces	NumberGas	37.50	0.00
tblFireplaces	NumberWood	66.30	0.00
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00



## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20
tblWoodstoves	NumberCatalytic	7.80	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberCatalytic	6.00	0.00
tblWoodstoves	NumberNoncatalytic	7.80	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	6.00	0.00

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

## Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4726	235.9893	184.0495	0.4054	76.4067	10.2471	86.6538	35.1492	9.4781	44.6273	0.0000	39,325.5122	39,325.5122	11.2280	0.2467	39,679.7133
2024	97.7761	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.8900	101,358.8900	18.5182	3.5197	102,857.3160
2025	89.5276	289.2111	371.9140	0.9294	68.6901	10.8218	79.5119	23.5360	10.0739	33.6099	0.0000	92,864.3291	92,864.3291	15.4986	3.4228	94,271.7877
2026	105.8410	199.7836	300.4635	0.7320	33.2571	7.3466	40.6037	8.9529	6.8759	15.8288	0.0000	73,721.4325	73,721.4325	9.9529	3.1579	74,911.3086
2027	49.9217	80.2771	113.3767	0.3425	21.0488	2.4343	23.4832	5.6708	2.2970	7.9678	0.0000	35,104.0218	35,104.0218	2.9112	2.0309	35,782.0032
2028	44.6733	41.2508	59.3027	0.1770	11.3049	1.2689	12.5738	3.0424	1.2002	4.2426	0.0000	18,173.0300	18,173.0300	1.4719	1.0058	18,509.5680
Maximum	105.8410	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.8900	101,358.8900	18.5182	3.5197	102,857.3160

## Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	23.4726	235.9893	184.0495	0.4054	33.5426	10.2471	43.7897	15.2629	9.4781	24.7410	0.0000	39,325.5121	39,325.5121	11.2280	0.2467	39,679.7133
2024	97.7761	389.2552	419.2025	1.0184	64.1828	15.6583	79.1128	23.5877	14.5399	37.4592	0.0000	101,358.8899	101,358.8899	18.5182	3.5197	102,857.3159
2025	89.5276	289.2111	371.9140	0.9294	47.1038	10.8218	57.9256	14.8776	10.0739	24.9515	0.0000	92,864.3290	92,864.3290	15.4986	3.4228	94,271.7876
2026	105.8410	199.7836	300.4635	0.7320	31.5775	7.3466	38.9242	8.5406	6.8759	15.4165	0.0000	73,721.4325	73,721.4325	9.9529	3.1579	74,911.3085
2027	49.9217	80.2771	113.3767	0.3425	19.9876	2.4343	22.4220	5.4103	2.2970	7.7073	0.0000	35,104.0218	35,104.0218	2.9112	2.0309	35,782.0032

SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2028	44.6733	41.2508	59.3027	0.1770	10.7336	1.2689	12.0025	2.9022	1.2002	4.1024	0.0000	18,173.030	18,173.030	1.4719	1.0058	18,509.568
												0	0			0
Maximum	105.8410	389.2552	419.2025	1.0184	64.1828	15.6583	79.1128	23.5877	14.5399	37.4592	0.0000	101,358.8899	101,358.8899	18.5182	3.5197	102,857.3159

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.07	0.00	30.56	41.26	0.00	30.24	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.1315	53,780.1315	3.1926	2.7075	54,666.7721
Total	53.5695	31.7792	291.3644	0.5088	62.5350	0.6616	63.1966	16.6572	0.6374	17.2946	0.0000	53,877.2084	53,877.2084	3.2864	2.7075	54,766.1944

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.1315	53,780.1315	3.1926	2.7075	54,666.7721
Total	53.5695	31.7792	291.3644	0.5088	62.5350	0.6616	63.1966	16.6572	0.6374	17.2946	0.0000	53,877.2084	53,877.2084	3.2864	2.7075	54,766.1944

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction (Commercial)	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	

## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393

**Acres of Grading (Site Preparation Phase): 1176****Acres of Grading (Grading Phase): 6550****Acres of Paving: 18.29****Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Area:****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20
Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

**Trips and VMT**

SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Transitional Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Commercial Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Residential Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
For Sale Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Commercial Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Residential Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560		7,493.9680	7,493.9680	2.0987		7,546.4366
Total	4.5382	42.9688	39.2867	0.0777	0.6993	1.9951	2.6944	0.1059	1.8560	1.9619		7,493.9680	7,493.9680	2.0987		7,546.4366

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4100e-003	0.4331	0.0972	1.9300e-003	0.0566	3.6200e-003	0.0602	0.0155	3.4700e-003	0.0190		207.7288	207.7288	4.3900e-003	0.0328	217.6189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0848	0.0590	0.6924	2.0000e-003	0.2464	1.2400e-003	0.2477	0.0654	1.1400e-003	0.0665		204.7502	204.7502	6.4600e-003	6.0800e-003	206.7242
Total	0.0912	0.4921	0.7896	3.9300e-003	0.3031	4.8600e-003	0.3079	0.0809	4.6100e-003	0.0855		412.4790	412.4790	0.0109	0.0389	424.3431

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000		0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951		1.8560	1.8560	0.0000	7,493.9680	7,493.9680	2.0987	7,546.4366
<b>Total</b>	<b>4.5382</b>	<b>42.9688</b>	<b>39.2867</b>	<b>0.0777</b>	<b>0.2990</b>	<b>1.9951</b>	<b>2.2940</b>	<b>0.0453</b>	<b>1.8560</b>	<b>1.9012</b>	<b>0.0000</b>	<b>7,493.9680</b>	<b>7,493.9680</b>	<b>2.0987</b>	<b>7,546.4366</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4100e-003	0.4331	0.0972	1.9300e-003	0.0541	3.6200e-003	0.0577	0.0149	3.4700e-003	0.0184		207.7288	207.7288	4.3900e-003	0.0328	217.6189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0848	0.0590	0.6924	2.0000e-003	0.2336	1.2400e-003	0.2348	0.0622	1.1400e-003	0.0634		204.7502	204.7502	6.4600e-003	6.0800e-003	206.7242
<b>Total</b>	<b>0.0912</b>	<b>0.4921</b>	<b>0.7896</b>	<b>3.9300e-003</b>	<b>0.2876</b>	<b>4.8600e-003</b>	<b>0.2925</b>	<b>0.0771</b>	<b>4.6100e-003</b>	<b>0.0817</b>		<b>412.4790</b>	<b>412.4790</b>	<b>0.0109</b>	<b>0.0389</b>	<b>424.3431</b>

**3.2 Demolition - 2024**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6993	0.0000	0.6993	0.1059	0.0000	0.1059			0.0000			0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844		7,494.8455	7,494.8455	2.0969		7,547.2690
<b>Total</b>	<b>4.4875</b>	<b>41.7563</b>	<b>39.4147</b>	<b>0.0777</b>	<b>0.6993</b>	<b>1.9203</b>	<b>2.6196</b>	<b>0.1059</b>	<b>1.7844</b>	<b>1.8903</b>		<b>7,494.8455</b>	<b>7,494.8455</b>	<b>2.0969</b>		<b>7,547.2690</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4000e-003	0.4351	0.0976	1.9000e-003	0.0566	3.6600e-003	0.0603	0.0155	3.5000e-003	0.0190		204.6850	204.6850	4.4200e-003	0.0323	214.4339
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0858</b>	<b>0.4877</b>	<b>0.7451</b>	<b>3.8400e-003</b>	<b>0.3031</b>	<b>4.8400e-003</b>	<b>0.3079</b>	<b>0.0809</b>	<b>4.5800e-003</b>	<b>0.0855</b>		<b>404.3884</b>	<b>404.3884</b>	<b>0.0103</b>	<b>0.0380</b>	<b>415.9737</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000		0.0000
Off-Road	4.4875	41.7563	39.4147	0.0777		1.9203	1.9203		1.7844	1.7844	0.0000	7,494.8455	7,494.8455	2.0969	7,547.2690
Total	4.4875	41.7563	39.4147	0.0777	0.2990	1.9203	2.2193	0.0453	1.7844	1.8297	0.0000	7,494.8455	7,494.8455	2.0969	7,547.2690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.4000e-003	0.4351	0.0976	1.9000e-003	0.0541	3.6600e-003	0.0577	0.0149	3.5000e-003	0.0184		204.6850	204.6850	4.4200e-003	0.0323	214.4339
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
Total	0.0858	0.4877	0.7451	3.8400e-003	0.2876	4.8400e-003	0.2925	0.0771	4.5800e-003	0.0817		404.3884	404.3884	0.0103	0.0380	415.9737

## 3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162	2.3851		7,434.2437
Total	5.3189	55.0484	36.4886	0.0761	39.3140	2.5320	41.8461	20.2049	2.3295	22.5344		7,374.6162	7,374.6162	2.3851		7,434.2437

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0989	0.0688	0.8078	2.3300e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782
Total	0.0989	0.0688	0.8078	2.3300e-003	0.2875	1.4400e-003	0.2890	0.0763	1.3300e-003	0.0776		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000		0.0000
Off-Road	5.3189	55.0483	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295	0.0000	7,374.6162	7,374.6162	2.3851	7,434.2437
Total	5.3189	55.0483	36.4886	0.0761	16.8067	2.5320	19.3388	8.6376	2.3295	10.9671	0.0000	7,374.6162	7,374.6162	2.3851	7,434.2437

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0989	0.0688	0.8078	2.3300e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782
Total	0.0989	0.0688	0.8078	2.3300e-003	0.2725	1.4400e-003	0.2740	0.0726	1.3300e-003	0.0739		238.8752	238.8752	7.5400e-003	7.1000e-003	241.1782

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	39.3140	2.4587	41.7727	20.2049	2.2620	22.4669		7,376.0199	7,376.0199	2.3856		7,435.6588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
Total	0.0926	0.0614	0.7554	2.2600e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Fugitive Dust					16.8067	0.0000	16.8067	8.6376	0.0000	8.6376			0.0000		0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620	0.0000	7,376.0199	7,376.0199	2.3856	7,435.6588
<b>Total</b>	<b>5.3218</b>	<b>54.3520</b>	<b>36.6713</b>	<b>0.0762</b>	<b>16.8067</b>	<b>2.4587</b>	<b>19.2654</b>	<b>8.6376</b>	<b>2.2620</b>	<b>10.8996</b>	<b>0.0000</b>	<b>7,376.0199</b>	<b>7,376.0199</b>	<b>2.3856</b>	<b>7,435.6588</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**3.4 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471		16,898.7135	16,898.7135	5.4654		17,035.3482
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.2903</b>	<b>38.9998</b>	<b>14.3885</b>	<b>3.9471</b>	<b>18.3355</b>		<b>16,898.7135</b>	<b>16,898.7135</b>	<b>5.4654</b>		<b>17,035.3482</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.3937	0.5372	0.0106	0.3129	0.0200	0.3329	0.0858	0.0192	0.1050		1,148.0648	1,148.0648	0.0243	0.1814	1,202.7248
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1413	0.0983	1.1541	3.3300e-003	0.4107	2.0600e-003	0.4128	0.1090	1.9000e-003	0.1108		341.2503	341.2503	0.0108	0.0101	344.5403
<b>Total</b>	<b>0.1768</b>	<b>2.4920</b>	<b>1.6913</b>	<b>0.0140</b>	<b>0.7236</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2158</b>		<b>1,489.3151</b>	<b>1,489.3151</b>	<b>0.0350</b>	<b>0.1915</b>	<b>1,547.2652</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road	9.9759	106.0611	71.4588	0.1745		4.2903	4.2903		3.9471	3.9471	0.0000	16,898.713 5	16,898.713 5	5.4654	17,035.348 2
<b>Total</b>	<b>9.9759</b>	<b>106.0611</b>	<b>71.4588</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.2903</b>	<b>19.1286</b>	<b>6.1511</b>	<b>3.9471</b>	<b>10.0981</b>	<b>0.0000</b>	<b>16,898.713 5</b>	<b>16,898.713 5</b>	<b>5.4654</b>	<b>17,035.348 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.3937	0.5372	0.0106	0.2987	0.0200	0.3187	0.0823	0.0192	0.1015		1,148.0648	1,148.0648	0.0243	0.1814	1,202.7248
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1413	0.0983	1.1541	3.3300e-003	0.3893	2.0600e-003	0.3914	0.1037	1.9000e-003	0.1056		341.2503	341.2503	0.0108	0.0101	344.5403
<b>Total</b>	<b>0.1768</b>	<b>2.4920</b>	<b>1.6913</b>	<b>0.0140</b>	<b>0.6880</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2071</b>		<b>1,489.3151</b>	<b>1,489.3151</b>	<b>0.0350</b>	<b>0.1915</b>	<b>1,547.2652</b>

**3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286		16,892.139 5	16,892.139 5	5.4633		17,028.721 0
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>34.7095</b>	<b>4.0528</b>	<b>38.7623</b>	<b>14.3885</b>	<b>3.7286</b>	<b>18.1170</b>		<b>16,892.139 5</b>	<b>16,892.139 5</b>	<b>5.4633</b>		<b>17,028.721 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.4045	0.5395	0.0105	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,131.2425	1,131.2425	0.0244	0.1788	1,185.1222
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1323	0.0877	1.0792	3.2300e-003	0.4107	1.9600e-003	0.4127	0.1090	1.8100e-003	0.1108		332.8391	332.8391	9.7800e-003	9.4500e-003	335.8997
<b>Total</b>	<b>0.1677</b>	<b>2.4922</b>	<b>1.6187</b>	<b>0.0137</b>	<b>0.7236</b>	<b>0.0222</b>	<b>0.7458</b>	<b>0.1948</b>	<b>0.0211</b>	<b>0.2159</b>		<b>1,464.0816</b>	<b>1,464.0816</b>	<b>0.0342</b>	<b>0.1882</b>	<b>1,521.0219</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286	3.7286	0.0000	16,892.1395	16,892.1395	5.4633	17,028.7210
<b>Total</b>	<b>9.6952</b>	<b>99.9063</b>	<b>70.4246</b>	<b>0.1745</b>	<b>14.8383</b>	<b>4.0528</b>	<b>18.8911</b>	<b>6.1511</b>	<b>3.7286</b>	<b>9.8796</b>	<b>0.0000</b>	<b>16,892.1395</b>	<b>16,892.1395</b>	<b>5.4633</b>	<b>17,028.7210</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0354	2.4045	0.5395	0.0105	0.2987	0.0202	0.3189	0.0823	0.0193	0.1017		1,131.2425	1,131.2425	0.0244	0.1788	1,185.1222
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1323	0.0877	1.0792	3.2300e-003	0.3893	1.9600e-003	0.3913	0.1037	1.8100e-003	0.1055		332.8391	332.8391	9.7800e-003	9.4500e-003	335.8997
<b>Total</b>	<b>0.1677</b>	<b>2.4922</b>	<b>1.6187</b>	<b>0.0137</b>	<b>0.6881</b>	<b>0.0222</b>	<b>0.7102</b>	<b>0.1860</b>	<b>0.0211</b>	<b>0.2072</b>		<b>1,464.0816</b>	<b>1,464.0816</b>	<b>0.0342</b>	<b>0.1882</b>	<b>1,521.0219</b>

## 3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706		16,886.5808	16,886.5808	5.4615		17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>34.7095</b>	<b>3.4463</b>	<b>38.1558</b>	<b>14.3885</b>	<b>3.1706</b>	<b>17.5590</b>		<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>		<b>17,023.1173</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	2.3963	0.5404	0.0103	0.3129	0.0202	0.3331	0.0858	0.0193	0.1051		1,110.4717	1,110.4717	0.0246	0.1755	1,163.3849
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1244	0.0791	1.0143	3.1200e-003	0.4107	1.8800e-003	0.4126	0.1090	1.7300e-003	0.1107		324.8721	324.8721	8.9000e-003	8.8600e-003	327.7350
<b>Total</b>	<b>0.1596</b>	<b>2.4754</b>	<b>1.5547</b>	<b>0.0134</b>	<b>0.7237</b>	<b>0.0221</b>	<b>0.7457</b>	<b>0.1948</b>	<b>0.0210</b>	<b>0.2158</b>		<b>1,435.3438</b>	<b>1,435.3438</b>	<b>0.0335</b>	<b>0.1844</b>	<b>1,491.1200</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road	8.7302	86.3597	66.0883	0.1744		3.4463	3.4463		3.1706	3.1706	0.0000	16,886.5808	16,886.5808	5.4615	17,023.1173
<b>Total</b>	<b>8.7302</b>	<b>86.3597</b>	<b>66.0883</b>	<b>0.1744</b>	<b>14.8383</b>	<b>3.4463</b>	<b>18.2846</b>	<b>6.1511</b>	<b>3.1706</b>	<b>9.3217</b>	<b>0.0000</b>	<b>16,886.5808</b>	<b>16,886.5808</b>	<b>5.4615</b>	<b>17,023.1173</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	2.3963	0.5404	0.0103	0.2988	0.0202	0.3189	0.0823	0.0193	0.1016		1,110.4717	1,110.4717	0.0246	0.1755	1,163.3849
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1244	0.0791	1.0143	3.1200e-003	0.3893	1.8800e-003	0.3912	0.1037	1.7300e-003	0.1054		324.8721	324.8721	8.9000e-003	8.8600e-003	327.7350
<b>Total</b>	<b>0.1596</b>	<b>2.4754</b>	<b>1.5547</b>	<b>0.0134</b>	<b>0.6881</b>	<b>0.0221</b>	<b>0.7101</b>	<b>0.1860</b>	<b>0.0210</b>	<b>0.2071</b>		<b>1,435.3438</b>	<b>1,435.3438</b>	<b>0.0335</b>	<b>0.1844</b>	<b>1,491.1200</b>

## 3.5 Infrastructure (Trenching) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
<b>Total</b>	<b>3.1455</b>	<b>28.7698</b>	<b>32.4880</b>	<b>0.0539</b>		<b>1.3995</b>	<b>1.3995</b>		<b>1.3169</b>	<b>1.3169</b>		<b>5,110.4199</b>	<b>5,110.4199</b>	<b>1.2157</b>		<b>5,140.8121</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1272	0.0884	1.0387	3.0000e-003	0.3697	1.8500e-003	0.3715	0.0981	1.7100e-003	0.0998		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863
<b>Total</b>	<b>0.1272</b>	<b>0.0884</b>	<b>1.0387</b>	<b>3.0000e-003</b>	<b>0.3697</b>	<b>1.8500e-003</b>	<b>0.3715</b>	<b>0.0981</b>	<b>1.7100e-003</b>	<b>0.0998</b>		<b>307.1253</b>	<b>307.1253</b>	<b>9.6900e-003</b>	<b>9.1200e-003</b>	<b>310.0863</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
<b>Total</b>	<b>3.1455</b>	<b>28.7698</b>	<b>32.4880</b>	<b>0.0539</b>		<b>1.3995</b>	<b>1.3995</b>		<b>1.3169</b>	<b>1.3169</b>	<b>0.0000</b>	<b>5,110.4198</b>	<b>5,110.4198</b>	<b>1.2157</b>		<b>5,140.8121</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1272	0.0884	1.0387	3.0000e-003	0.3504	1.8500e-003	0.3522	0.0933	1.7100e-003	0.0950		307.1253	307.1253	9.6900e-003	9.1200e-003	310.0863
<b>Total</b>	<b>0.1272</b>	<b>0.0884</b>	<b>1.0387</b>	<b>3.0000e-003</b>	<b>0.3504</b>	<b>1.8500e-003</b>	<b>0.3522</b>	<b>0.0933</b>	<b>1.7100e-003</b>	<b>0.0950</b>		<b>307.1253</b>	<b>307.1253</b>	<b>9.6900e-003</b>	<b>9.1200e-003</b>	<b>310.0863</b>

**3.5 Infrastructure (Trenching) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>		<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1191	0.0790	0.9713	2.9000e-003	0.3697	1.7700e-003	0.3714	0.0981	1.6300e-003	0.0997		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097
<b>Total</b>	<b>0.1191</b>	<b>0.0790</b>	<b>0.9713</b>	<b>2.9000e-003</b>	<b>0.3697</b>	<b>1.7700e-003</b>	<b>0.3714</b>	<b>0.0981</b>	<b>1.6300e-003</b>	<b>0.0997</b>		<b>299.5552</b>	<b>299.5552</b>	<b>8.8000e-003</b>	<b>8.5100e-003</b>	<b>302.3097</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
<b>Total</b>	<b>2.9431</b>	<b>26.8876</b>	<b>32.3336</b>	<b>0.0539</b>		<b>1.2266</b>	<b>1.2266</b>		<b>1.1538</b>	<b>1.1538</b>	<b>0.0000</b>	<b>5,111.3978</b>	<b>5,111.3978</b>	<b>1.2087</b>		<b>5,141.6153</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1191	0.0790	0.9713	2.9000e-003	0.3504	1.7700e-003	0.3522	0.0933	1.6300e-003	0.0950		299.5552	299.5552	8.8000e-003	8.5100e-003	302.3097
<b>Total</b>	<b>0.1191</b>	<b>0.0790</b>	<b>0.9713</b>	<b>2.9000e-003</b>	<b>0.3504</b>	<b>1.7700e-003</b>	<b>0.3522</b>	<b>0.0933</b>	<b>1.6300e-003</b>	<b>0.0950</b>		<b>299.5552</b>	<b>299.5552</b>	<b>8.8000e-003</b>	<b>8.5100e-003</b>	<b>302.3097</b>

**3.5 Infrastructure (Trenching) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1120	0.0712	0.9129	2.8100e-003	0.3697	1.6900e-003	0.3714	0.0981	1.5600e-003	0.0996		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615
<b>Total</b>	<b>0.1120</b>	<b>0.0712</b>	<b>0.9129</b>	<b>2.8100e-003</b>	<b>0.3697</b>	<b>1.6900e-003</b>	<b>0.3714</b>	<b>0.0981</b>	<b>1.5600e-003</b>	<b>0.0996</b>		<b>292.3849</b>	<b>292.3849</b>	<b>8.0100e-003</b>	<b>7.9700e-003</b>	<b>294.9615</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1120	0.0712	0.9129	2.8100e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615
Total	0.1120	0.0712	0.9129	2.8100e-003	0.3504	1.6900e-003	0.3521	0.0933	1.5600e-003	0.0949		292.3849	292.3849	8.0100e-003	7.9700e-003	294.9615

## 3.5 Infrastructure (Trenching) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1058	0.0648	0.8636	2.7200e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		285.6883	285.6883	7.3200e-003	7.5400e-003	288.1172
Total	0.1058	0.0648	0.8636	2.7200e-003	0.3697	1.6100e-003	0.3713	0.0981	1.4800e-003	0.0995		285.6883	285.6883	7.3200e-003	7.5400e-003	288.1172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1058	0.0648	0.8636	2.7200e-003	0.3504	1.6100e-003	0.3520	0.0933	1.4800e-003	0.0948		285.6883	285.6883	7.3200e-003	7.5400e-003	288.1172
<b>Total</b>	<b>0.1058</b>	<b>0.0648</b>	<b>0.8636</b>	<b>2.7200e-003</b>	<b>0.3504</b>	<b>1.6100e-003</b>	<b>0.3520</b>	<b>0.0933</b>	<b>1.4800e-003</b>	<b>0.0948</b>		<b>285.6883</b>	<b>285.6883</b>	<b>7.3200e-003</b>	<b>7.5400e-003</b>	<b>288.1172</b>

**3.6 Building Construction (Commercial) - 2024**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684		9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>		<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.7439</b>	<b>0.1134</b>	<b>9.8572</b>	<b>2.6284</b>	<b>0.1071</b>	<b>2.7355</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6836	44.5560	59.9215	0.0970		2.1162	2.1162		1.9684	1.9684	0.0000	9,319.0145	9,319.0145	2.6155		9,384.4009
<b>Total</b>	<b>4.6836</b>	<b>44.5560</b>	<b>59.9215</b>	<b>0.0970</b>		<b>2.1162</b>	<b>2.1162</b>		<b>1.9684</b>	<b>1.9684</b>	<b>0.0000</b>	<b>9,319.0145</b>	<b>9,319.0145</b>	<b>2.6155</b>		<b>9,384.4009</b>



## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.2540</b>	<b>0.1134</b>	<b>9.3673</b>	<b>2.5081</b>	<b>0.1071</b>	<b>2.6152</b>		<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

**3.6 Building Construction (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.7439</b>	<b>0.1118</b>	<b>9.8557</b>	<b>2.6284</b>	<b>0.1056</b>	<b>2.7340</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

**3.6 Building Construction (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613	9,318.9613	2.6096		9,384.2012
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>		<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2012</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613	9,318.9613	2.6096		9,384.2011
<b>Total</b>	<b>4.3453</b>	<b>40.7606</b>	<b>59.6736</b>	<b>0.0970</b>		<b>1.8513</b>	<b>1.8513</b>		<b>1.7217</b>	<b>1.7217</b>	<b>0.0000</b>	<b>9,318.9613</b>	<b>9,318.9613</b>	<b>2.6096</b>		<b>9,384.2011</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

**3.7 Paving (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839		4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>		<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2875	1.3700e-003	0.2889	0.0763	1.2600e-003	0.0775		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2875</b>	<b>1.3700e-003</b>	<b>0.2889</b>	<b>0.0763</b>	<b>1.2600e-003</b>	<b>0.0775</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3378	21.4868	32.8718	0.0516		1.0589	1.0589		0.9839	0.9839	0.0000	4,977.9905	4,977.9905	1.4596		5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.4259</b>	<b>21.4868</b>	<b>32.8718</b>	<b>0.0516</b>		<b>1.0589</b>	<b>1.0589</b>		<b>0.9839</b>	<b>0.9839</b>	<b>0.0000</b>	<b>4,977.9905</b>	<b>4,977.9905</b>	<b>1.4596</b>		<b>5,014.4812</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0926	0.0614	0.7554	2.2600e-003	0.2725	1.3700e-003	0.2739	0.0726	1.2600e-003	0.0739		232.9873	232.9873	6.8400e-003	6.6200e-003	235.1298
<b>Total</b>	<b>0.0926</b>	<b>0.0614</b>	<b>0.7554</b>	<b>2.2600e-003</b>	<b>0.2725</b>	<b>1.3700e-003</b>	<b>0.2739</b>	<b>0.0726</b>	<b>1.2600e-003</b>	<b>0.0739</b>		<b>232.9873</b>	<b>232.9873</b>	<b>6.8400e-003</b>	<b>6.6200e-003</b>	<b>235.1298</b>

**3.7 Paving (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0871	0.0554	0.7100	2.1800e-003	0.2875	1.3100e-003	0.2888	0.0763	1.2100e-003	0.0775		227.4105	227.4105	6.2300e-003	6.2000e-003	229.4145
<b>Total</b>	<b>0.0871</b>	<b>0.0554</b>	<b>0.7100</b>	<b>2.1800e-003</b>	<b>0.2875</b>	<b>1.3100e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.2100e-003</b>	<b>0.0775</b>		<b>227.4105</b>	<b>227.4105</b>	<b>6.2300e-003</b>	<b>6.2000e-003</b>	<b>229.4145</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

**Mitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0871	0.0554	0.7100	2.1800e-003	0.2725	1.3100e-003	0.2738	0.0726	1.2100e-003	0.0738		227.4105	227.4105	6.2300e-003	6.2000e-003	229.4145
<b>Total</b>	<b>0.0871</b>	<b>0.0554</b>	<b>0.7100</b>	<b>2.1800e-003</b>	<b>0.2725</b>	<b>1.3100e-003</b>	<b>0.2738</b>	<b>0.0726</b>	<b>1.2100e-003</b>	<b>0.0738</b>		<b>227.4105</b>	<b>227.4105</b>	<b>6.2300e-003</b>	<b>6.2000e-003</b>	<b>229.4145</b>

## 3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>		<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0823	0.0504	0.6717	2.1200e-003	0.2875	1.2500e-003	0.2888	0.0763	1.1500e-003	0.0774		222.2020	222.2020	5.7000e-003	5.8600e-003	224.0912
<b>Total</b>	<b>0.0823</b>	<b>0.0504</b>	<b>0.6717</b>	<b>2.1200e-003</b>	<b>0.2875</b>	<b>1.2500e-003</b>	<b>0.2888</b>	<b>0.0763</b>	<b>1.1500e-003</b>	<b>0.0774</b>		<b>222.2020</b>	<b>222.2020</b>	<b>5.7000e-003</b>	<b>5.8600e-003</b>	<b>224.0912</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2601</b>	<b>19.4543</b>	<b>32.7742</b>	<b>0.0515</b>		<b>0.9401</b>	<b>0.9401</b>		<b>0.8731</b>	<b>0.8731</b>	<b>0.0000</b>	<b>4,976.3864</b>	<b>4,976.3864</b>	<b>1.4581</b>		<b>5,012.8393</b>

Mitigated Construction Off-Site

SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0823	0.0504	0.6717	2.1200e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		222.2020	222.2020	5.7000e-003	5.8600e-003	224.0912
Total	0.0823	0.0504	0.6717	2.1200e-003	0.2725	1.2500e-003	0.2738	0.0726	1.1500e-003	0.0737		222.2020	222.2020	5.7000e-003	5.8600e-003	224.0912

3.8 Building Construction (Apartment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
Total	2.7904	14.4512	24.2901	0.1175	9.7439	0.1134	9.8572	2.6284	0.1071	2.7355		12,319.9180	12,319.9180	0.2681	1.0774	12,647.6900

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087	5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065	6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
<b>Total</b>	<b>2.7904</b>	<b>14.4512</b>	<b>24.2901</b>	<b>0.1175</b>	<b>9.2540</b>	<b>0.1134</b>	<b>9.3673</b>	<b>2.5081</b>	<b>0.1071</b>	<b>2.6152</b>	<b>12,319.9180</b>	<b>12,319.9180</b>	<b>0.2681</b>	<b>1.0774</b>	<b>12,647.6900</b>

## 3.8 Building Construction (Apartment) - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.7271	12,061.7271	0.2514	1.0505	12,381.0717

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087	5,882.6593	5,882.6593	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051	6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>	<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

## 3.8 Building Construction (Apartment) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560



## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5459	6,037.5459	0.1548	0.1593	5,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

## 3.8 Building Construction (Apartment) - 2027

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.9318	0.0752	2.0070	0.5562	0.0720	0.6282		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		5,908.6548	5,908.6548	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.7440</b>	<b>0.1073</b>	<b>9.8513</b>	<b>2.6284</b>	<b>0.1015</b>	<b>2.7299</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.8492	0.0752	1.9245	0.5360	0.0720	0.6079		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		5,908.6548	5,908.6548	0.1423	0.1515	5,957.3586

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.3755	13.9283	20.9753	0.1088	9.2541	0.1073	9.3614	2.5082	0.1015	2.6097		11,567.370 0	11,567.370 0	0.2241	1.0003	11,871.064 2
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## 3.9 Building Construction (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.9316	0.0761	2.0077	0.5562	0.0728	0.6289		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373	7.8495	2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
Total	2.7904	14.4512	24.2901	0.1175	9.7439	0.1134	9.8572	2.6284	0.1071	2.7355		12,319.918 0	12,319.918 0	0.2681	1.0774	12,647.690 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
Total	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2744	12.7824	3.7636	0.0561	1.8491	0.0761	1.9251	0.5359	0.0728	0.6087		5,989.3191	5,989.3191	0.0822	0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.4049	0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989	6,330.5989	0.1859	0.1798	6,388.8115
Total	2.7904	14.4512	24.2901	0.1175	9.2540	0.1134	9.3673	2.5081	0.1071	2.6152		12,319.918 0	12,319.918 0	0.2681	1.0774	12,647.690 0

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 3.9 Building Construction (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.9317	0.0761	2.0077	0.5562	0.0728	0.6290		5,882.6593	5,882.6593	0.0822	0.8820	5,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.8122	0.0357	7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.7439</b>	<b>0.1118</b>	<b>9.8557</b>	<b>2.6284</b>	<b>0.1056</b>	<b>2.7340</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2681	12.7705	3.7027	0.0551	1.8491	0.0761	1.9252	0.5360	0.0728	0.6087		5,882.6593	5,882.6593	0.0822	0.8820	5,147.5513
Worker	2.3660	1.5038	19.2916	0.0593	7.4049	0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678	6,179.0678	0.1692	0.1685	6,233.5204
<b>Total</b>	<b>2.6341</b>	<b>14.2743</b>	<b>22.9943</b>	<b>0.1144</b>	<b>9.2540</b>	<b>0.1118</b>	<b>9.3658</b>	<b>2.5081</b>	<b>0.1056</b>	<b>2.6138</b>		<b>12,061.7271</b>	<b>12,061.7271</b>	<b>0.2514</b>	<b>1.0505</b>	<b>12,381.0717</b>

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 3.9 Building Construction (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.9317	0.0757	2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.8122	0.0341	7.8463	2.0722	0.0313	2.1035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.7440</b>	<b>0.1098</b>	<b>9.8537</b>	<b>2.6284</b>	<b>0.1038</b>	<b>2.7322</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2627	12.7310	3.6533	0.0541	1.8492	0.0757	1.9249	0.5360	0.0724	0.6084		5,774.8306	5,774.8306	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455	6,037.5455	0.1548	0.1593	6,088.8774
<b>Total</b>	<b>2.4993</b>	<b>14.1000</b>	<b>21.9039</b>	<b>0.1116</b>	<b>9.2541</b>	<b>0.1098</b>	<b>9.3638</b>	<b>2.5082</b>	<b>0.1038</b>	<b>2.6119</b>		<b>11,812.3761</b>	<b>11,812.3761</b>	<b>0.2370</b>	<b>1.0253</b>	<b>12,123.8334</b>

## 3.9 Building Construction (For Sale) - 2027

Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.9318	0.0752	2.0070	0.5562	0.0720	0.6282		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.7440</b>	<b>0.1073</b>	<b>9.8513</b>	<b>2.6284</b>	<b>0.1015</b>	<b>2.7299</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2580	12.6727	3.6108	0.0530	1.8492	0.0752	1.9245	0.5360	0.0720	0.6079		5,658.7154	5,658.7154	0.0818	0.8488	5,913.7056
Worker	2.1175	1.2556	17.3645	0.0558	7.4049	0.0321	7.4370	1.9722	0.0296	2.0017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586
<b>Total</b>	<b>2.3755</b>	<b>13.9283</b>	<b>20.9753</b>	<b>0.1088</b>	<b>9.2541</b>	<b>0.1073</b>	<b>9.3614</b>	<b>2.5082</b>	<b>0.1015</b>	<b>2.6097</b>		<b>11,567.3700</b>	<b>11,567.3700</b>	<b>0.2241</b>	<b>1.0003</b>	<b>11,871.0642</b>

**3.9 Building Construction (For Sale) - 2028****Unmitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>		<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2542	12.6278	3.5792	0.0519	1.9318	0.0747	2.0065	0.5563	0.0715	0.6277		5,545.8181	5,545.8181	0.0817	0.8319	5,795.7583
Worker	2.0055	1.1608	16.6161	0.0543	7.8122	0.0301	7.8423	2.0722	0.0277	2.0999		5,793.8213	5,793.8213	0.1314	0.1450	5,840.3150
<b>Total</b>	<b>2.2597</b>	<b>13.7885</b>	<b>20.1953</b>	<b>0.1063</b>	<b>9.7441</b>	<b>0.1048</b>	<b>9.8488</b>	<b>2.6284</b>	<b>0.0991</b>	<b>2.7276</b>		<b>11,339.6394</b>	<b>11,339.6394</b>	<b>0.2131</b>	<b>0.9769</b>	<b>11,636.0733</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
<b>Total</b>	<b>2.7348</b>	<b>24.9394</b>	<b>32.1693</b>	<b>0.0539</b>		<b>1.0551</b>	<b>1.0551</b>		<b>0.9925</b>	<b>0.9925</b>	<b>0.0000</b>	<b>5,112.9487</b>	<b>5,112.9487</b>	<b>1.2019</b>		<b>5,142.9961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2542	12.6278	3.5792	0.0519	1.8493	0.0747	1.9240	0.5360	0.0715	0.6075		5,545.8181	5,545.8181	0.0817	0.8319	5,795.7583
Worker	2.0055	1.1608	16.6161	0.0543	7.4049	0.0301	7.4349	1.9722	0.0277	1.9999		5,793.8213	5,793.8213	0.1314	0.1450	5,840.3150
<b>Total</b>	<b>2.2597</b>	<b>13.7885</b>	<b>20.1953</b>	<b>0.1063</b>	<b>9.2542</b>	<b>0.1048</b>	<b>9.3589</b>	<b>2.5082</b>	<b>0.0991</b>	<b>2.6073</b>		<b>11,339.6394</b>	<b>11,339.6394</b>	<b>0.2131</b>	<b>0.9769</b>	<b>11,636.0733</b>

**3.10 Paving (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day									lb/day						
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0986	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	4,415.0944	1.4279		4,450.7927

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2464	1.1800e-003	0.2476	0.0654	1.0800e-003	0.0665		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0794</b>	<b>0.0526</b>	<b>0.6475</b>	<b>1.9400e-003</b>	<b>0.2464</b>	<b>1.1800e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0800e-003</b>	<b>0.0665</b>		<b>199.7034</b>	<b>199.7034</b>	<b>5.8700e-003</b>	<b>5.6700e-003</b>	<b>201.5398</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621	0.0000	4,415.0944	4,415.0944	1.4279		4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.0986</b>	<b>19.0492</b>	<b>29.2515</b>	<b>0.0456</b>		<b>0.9370</b>	<b>0.9370</b>		<b>0.8621</b>	<b>0.8621</b>	<b>0.0000</b>	<b>4,415.0944</b>	<b>4,415.0944</b>	<b>1.4279</b>		<b>4,450.7927</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0794	0.0526	0.6475	1.9400e-003	0.2336	1.1800e-003	0.2348	0.0622	1.0800e-003	0.0633		199.7034	199.7034	5.8700e-003	5.6700e-003	201.5398
<b>Total</b>	<b>0.0794</b>	<b>0.0526</b>	<b>0.6475</b>	<b>1.9400e-003</b>	<b>0.2336</b>	<b>1.1800e-003</b>	<b>0.2348</b>	<b>0.0622</b>	<b>1.0800e-003</b>	<b>0.0633</b>		<b>199.7034</b>	<b>199.7034</b>	<b>5.8700e-003</b>	<b>5.6700e-003</b>	<b>201.5398</b>

**3.10 Paving (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day									lb/day							
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756	
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.9525	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701			4,413.4903	4,413.4903	1.4274		4,449.1756

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0746	0.0474	0.6086	1.8700e-003	0.2464	1.1300e-003	0.2476	0.0654	1.0400e-003	0.0664		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410
<b>Total</b>	<b>0.0746</b>	<b>0.0474</b>	<b>0.6086</b>	<b>1.8700e-003</b>	<b>0.2464</b>	<b>1.1300e-003</b>	<b>0.2476</b>	<b>0.0654</b>	<b>1.0400e-003</b>	<b>0.0664</b>		<b>194.9233</b>	<b>194.9233</b>	<b>5.3400e-003</b>	<b>5.3200e-003</b>	<b>196.6410</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9525</b>	<b>17.1633</b>	<b>29.1559</b>	<b>0.0456</b>		<b>0.8371</b>	<b>0.8371</b>		<b>0.7701</b>	<b>0.7701</b>	<b>0.0000</b>	<b>4,413.4903</b>	<b>4,413.4903</b>	<b>1.4274</b>		<b>4,449.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0746	0.0474	0.6086	1.8700e-003	0.2336	1.1300e-003	0.2347	0.0622	1.0400e-003	0.0633		194.9233	194.9233	5.3400e-003	5.3200e-003	196.6410
<b>Total</b>	<b>0.0746</b>	<b>0.0474</b>	<b>0.6086</b>	<b>1.8700e-003</b>	<b>0.2336</b>	<b>1.1300e-003</b>	<b>0.2347</b>	<b>0.0622</b>	<b>1.0400e-003</b>	<b>0.0633</b>		<b>194.9233</b>	<b>194.9233</b>	<b>5.3400e-003</b>	<b>5.3200e-003</b>	<b>196.6410</b>

**3.10 Paving (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9525	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	4,413.4903	1.4274		4,449.1756

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0706	0.0432	0.5757	1.8100e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782
Total	0.0706	0.0432	0.5757	1.8100e-003	0.2464	1.0700e-003	0.2475	0.0654	9.9000e-004	0.0664		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9525	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701	0.0000	4,413.4903	4,413.4903	1.4274		4,449.1756

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0706	0.0432	0.5757	1.8100e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782
Total	0.0706	0.0432	0.5757	1.8100e-003	0.2336	1.0700e-003	0.2347	0.0622	9.9000e-004	0.0632		190.4589	190.4589	4.8800e-003	5.0200e-003	192.0782

3.11 Arch Coating (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317	563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>	<b>563.6885</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
<b>Total</b>	<b>0.5027</b>	<b>0.3334</b>	<b>4.1010</b>	<b>0.0123</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,264.7884</b>	<b>1,264.7884</b>	<b>0.0372</b>	<b>0.0359</b>	<b>1,276.4187</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
<b>Total</b>	<b>0.5027</b>	<b>0.3334</b>	<b>4.1010</b>	<b>0.0123</b>	<b>1.4794</b>	<b>7.4500e-003</b>	<b>1.4869</b>	<b>0.3940</b>	<b>6.8600e-003</b>	<b>0.4009</b>		<b>1,264.7884</b>	<b>1,264.7884</b>	<b>0.0372</b>	<b>0.0359</b>	<b>1,276.4187</b>

**3.11 Arch Coating (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
<b>Total</b>	<b>0.4727</b>	<b>0.3004</b>	<b>3.8543</b>	<b>0.0119</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,234.5141</b>	<b>1,234.5141</b>	<b>0.0338</b>	<b>0.0337</b>	<b>1,245.3931</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
<b>Total</b>	<b>0.4727</b>	<b>0.3004</b>	<b>3.8543</b>	<b>0.0119</b>	<b>1.4794</b>	<b>7.1400e-003</b>	<b>1.4866</b>	<b>0.3940</b>	<b>6.5700e-003</b>	<b>0.4006</b>		<b>1,234.5141</b>	<b>1,234.5141</b>	<b>0.0338</b>	<b>0.0337</b>	<b>1,245.3931</b>

**3.11 Arch Coating (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030		562.8961	562.8961	0.0307	563.6637

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
Total	27.3771	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950

3.12 Arch Coating (Apartments) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218		562.8961	562.8961	0.0317	563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>	<b>563.6885</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.5608	7.4500e-003	1.5683	0.4140	6.8600e-003	0.4209		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
<b>Total</b>	<b>0.5027</b>	<b>0.3334</b>	<b>4.1010</b>	<b>0.0123</b>	<b>1.5608</b>	<b>7.4500e-003</b>	<b>1.5683</b>	<b>0.4140</b>	<b>6.8600e-003</b>	<b>0.4209</b>		<b>1,264.7884</b>	<b>1,264.7884</b>	<b>0.0372</b>	<b>0.0359</b>	<b>1,276.4187</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3615	2.4376	3.6203	5.9400e-003		0.1218	0.1218		0.1218	0.1218	0.0000	562.8961	562.8961	0.0317		563.6885
<b>Total</b>	<b>27.3969</b>	<b>2.4376</b>	<b>3.6203</b>	<b>5.9400e-003</b>		<b>0.1218</b>	<b>0.1218</b>		<b>0.1218</b>	<b>0.1218</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0317</b>		<b>563.6885</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-003	1.4869	0.3940	6.8600e-003	0.4009		1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
<b>Total</b>	<b>0.5027</b>	<b>0.3334</b>	<b>4.1010</b>	<b>0.0123</b>	<b>1.4794</b>	<b>7.4500e-003</b>	<b>1.4869</b>	<b>0.3940</b>	<b>6.8600e-003</b>	<b>0.4009</b>		<b>1,264.7884</b>	<b>1,264.7884</b>	<b>0.0372</b>	<b>0.0359</b>	<b>1,276.4187</b>

**3.12 Arch Coating (Apartments) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.5608	7.1400e-003	1.5679	0.4140	6.5700e-003	0.4206		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
<b>Total</b>	<b>0.4727</b>	<b>0.3004</b>	<b>3.8543</b>	<b>0.0119</b>	<b>1.5608</b>	<b>7.1400e-003</b>	<b>1.5679</b>	<b>0.4140</b>	<b>6.5700e-003</b>	<b>0.4206</b>		<b>1,234.5141</b>	<b>1,234.5141</b>	<b>0.0338</b>	<b>0.0337</b>	<b>1,245.3931</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-003	1.4866	0.3940	6.5700e-003	0.4006		1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
<b>Total</b>	<b>0.4727</b>	<b>0.3004</b>	<b>3.8543</b>	<b>0.0119</b>	<b>1.4794</b>	<b>7.1400e-003</b>	<b>1.4866</b>	<b>0.3940</b>	<b>6.5700e-003</b>	<b>0.4006</b>		<b>1,234.5141</b>	<b>1,234.5141</b>	<b>0.0338</b>	<b>0.0337</b>	<b>1,245.3931</b>

## 3.12 Arch Coating (Apartments) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
<b>Total</b>	<b>0.4468</b>	<b>0.2735</b>	<b>3.6463</b>	<b>0.0115</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,206.2394</b>	<b>1,206.2394</b>	<b>0.0309</b>	<b>0.0318</b>	<b>1,216.4950</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>27.3771</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
<b>Total</b>	<b>0.4468</b>	<b>0.2735</b>	<b>3.6463</b>	<b>0.0115</b>	<b>1.4794</b>	<b>6.8000e-003</b>	<b>1.4862</b>	<b>0.3940</b>	<b>6.2600e-003</b>	<b>0.4003</b>		<b>1,206.2394</b>	<b>1,206.2394</b>	<b>0.0309</b>	<b>0.0318</b>	<b>1,216.4950</b>

**3.13 Arch Coating (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.5608	6.8000e-003	1.5676	0.4140	6.2600e-003	0.4203		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
<b>Total</b>	<b>0.4468</b>	<b>0.2735</b>	<b>3.6463</b>	<b>0.0115</b>	<b>1.5608</b>	<b>6.8000e-003</b>	<b>1.5676</b>	<b>0.4140</b>	<b>6.2600e-003</b>	<b>0.4203</b>		<b>1,206.2394</b>	<b>1,206.2394</b>	<b>0.0309</b>	<b>0.0318</b>	<b>1,216.4950</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-003	1.4862	0.3940	6.2600e-003	0.4003		1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
<b>Total</b>	<b>0.4468</b>	<b>0.2735</b>	<b>3.6463</b>	<b>0.0115</b>	<b>1.4794</b>	<b>6.8000e-003</b>	<b>1.4862</b>	<b>0.3940</b>	<b>6.2600e-003</b>	<b>0.4003</b>		<b>1,206.2394</b>	<b>1,206.2394</b>	<b>0.0309</b>	<b>0.0318</b>	<b>1,216.4950</b>

**3.13 Arch Coating (For Sale) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4230	0.2509	3.4693	0.0112	1.5608	6.4200e-003	1.5672	0.4140	5.9100e-003	0.4199		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189
<b>Total</b>	<b>0.4230</b>	<b>0.2509</b>	<b>3.4693</b>	<b>0.0112</b>	<b>1.5608</b>	<b>6.4200e-003</b>	<b>1.5672</b>	<b>0.4140</b>	<b>5.9100e-003</b>	<b>0.4199</b>		<b>1,180.4883</b>	<b>1,180.4883</b>	<b>0.0284</b>	<b>0.0303</b>	<b>1,190.2189</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4230	0.2509	3.4693	0.0112	1.4794	6.4200e-003	1.4858	0.3940	5.9100e-003	0.3999		1,180.4883	1,180.4883	0.0284	0.0303	1,190.2189
<b>Total</b>	<b>0.4230</b>	<b>0.2509</b>	<b>3.4693</b>	<b>0.0112</b>	<b>1.4794</b>	<b>6.4200e-003</b>	<b>1.4858</b>	<b>0.3940</b>	<b>5.9100e-003</b>	<b>0.3999</b>		<b>1,180.4883</b>	<b>1,180.4883</b>	<b>0.0284</b>	<b>0.0303</b>	<b>1,190.2189</b>

**3.13 Arch Coating (For Sale) - 2028****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category	lb/day										lb/day				
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>		<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>	<b>563.6637</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4007	0.2319	3.3197	0.0109	1.5608	6.0100e-003	1.5668	0.4140	5.5300e-003	0.4195		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348
<b>Total</b>	<b>0.4007</b>	<b>0.2319</b>	<b>3.3197</b>	<b>0.0109</b>	<b>1.5608</b>	<b>6.0100e-003</b>	<b>1.5668</b>	<b>0.4140</b>	<b>5.5300e-003</b>	<b>0.4195</b>		<b>1,157.5458</b>	<b>1,157.5458</b>	<b>0.0263</b>	<b>0.0290</b>	<b>1,166.8348</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417	2.2910	3.6183	5.9400e-003		0.1030	0.1030		0.1030	0.1030	0.0000	562.8961	562.8961	0.0307		563.6637
<b>Total</b>	<b>39.2782</b>	<b>2.2910</b>	<b>3.6183</b>	<b>5.9400e-003</b>		<b>0.1030</b>	<b>0.1030</b>		<b>0.1030</b>	<b>0.1030</b>	<b>0.0000</b>	<b>562.8961</b>	<b>562.8961</b>	<b>0.0307</b>		<b>563.6637</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4007	0.2319	3.3197	0.0109	1.4794	6.0100e-003	1.4854	0.3940	5.5300e-003	0.3996		1,157.5458	1,157.5458	0.0263	0.0290	1,166.8348
<b>Total</b>	<b>0.4007</b>	<b>0.2319</b>	<b>3.3197</b>	<b>0.0109</b>	<b>1.4794</b>	<b>6.0100e-003</b>	<b>1.4854</b>	<b>0.3940</b>	<b>5.5300e-003</b>	<b>0.3996</b>		<b>1,157.5458</b>	<b>1,157.5458</b>	<b>0.0263</b>	<b>0.0290</b>	<b>1,166.8348</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131	53,780.131	3.1926	2.7075	54,666.772
Unmitigated	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131	53,780.131	3.1926	2.7075	54,666.772

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,345.50	1,345.50	1345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3,214	3,214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	2,933.82	2,933.82	2933.82	8,178,699	8,178,699
Single Family Housing	780.00	780.00	780.00	2,028,892	2,028,892
Total	10,984.62	10,984.62	10,984.62	29,690,396	29,690,396

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

## SCS Dublin - Operational - Alameda County, Winter

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

## 5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o High Turnover (Sit-Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o High Turnover (Sit-Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223
Unmitigated	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6308	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223
Total	31.0536	0.6193	53.8160	2.8500e-003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769	97.0769	0.0938	0.0000	99.4223

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

SCS Dublin - Operational - Alameda County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SCS Dublin - Unmitigated Construction - Alameda County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Unmitigated Construction  
Alameda County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Trips - per trip gen table
- Woodstoves -
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblGrading	MaterialImported	0.00	93,600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00



## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44
tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20

## 2.0 Emissions Summary

## 2.1 Overall Construction

## Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.0734	21.1256	15.7551	0.0358	10.1768	0.9080	11.0848	3.7172	0.8384	4.5556	0.0000	3,159.3618	3,159.3618	0.9207	0.0211	3,188.6757
2024	6.4057	41.2335	43.5436	0.1061	13.8260	1.6719	15.4978	4.9429	1.5515	6.4943	0.0000	9,549.4281	9,549.4281	1.8245	0.3019	9,685.0158
2025	11.3212	34.7724	46.0551	0.1155	10.1147	1.3029	11.4176	2.8350	1.2141	4.0490	0.0000	10,485.8734	10,485.8734	1.6736	0.3953	10,645.5207
2026	9.4385	19.2503	28.3819	0.0752	3.6982	0.6721	4.3703	0.9990	0.6310	1.6300	0.0000	6,907.0029	6,907.0029	0.7853	0.3281	7,024.4180
2027	5.9829	6.6027	9.4544	0.0288	1.7269	0.2037	1.9306	0.4665	0.1925	0.6590	0.0000	2,678.9379	2,678.9379	0.2164	0.1498	2,728.9895
2028	2.4244	2.2270	3.1874	9.6700e-003	0.5937	0.0692	0.6629	0.1603	0.0654	0.2257	0.0000	900.5474	900.5474	0.0723	0.0492	917.0077
Maximum	11.3212	41.2335	46.0551	0.1155	13.8260	1.6719	15.4978	4.9429	1.5515	6.4943	0.0000	10,485.8734	10,485.8734	1.8245	0.3953	10,645.5207

## Mitigated Construction

SCS Dublin - Unmitigated Construction - Alameda County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.0734	21.1256	15.7551	0.0358	4.4212	0.9080	5.3292	1.6082	0.8384	2.4466	0.0000	3,159.3583	3,159.3583	0.9207	0.0211	3,188.6722
2024	6.4057	41.2334	43.5436	0.1061	7.4626	1.6719	9.1345	2.5363	1.5515	4.0878	0.0000	9,549.4209	9,549.4209	1.8245	0.3019	9,685.0086
2025	11.3212	34.7724	46.0550	0.1155	6.5449	1.3029	7.8479	1.8171	1.2141	3.0311	0.0000	10,485.8666	10,485.8666	1.6736	0.3953	10,645.5139
2026	9.4385	19.2502	28.3819	0.0752	3.5128	0.6721	4.1849	0.9534	0.6310	1.5845	0.0000	6,906.9995	6,906.9995	0.7853	0.3281	7,024.4146
2027	5.9829	6.6027	9.4544	0.0288	1.6403	0.2037	1.8441	0.4452	0.1925	0.6378	0.0000	2,678.9369	2,678.9369	0.2164	0.1498	2,728.9885
2028	2.4244	2.2270	3.1874	9.6700e-003	0.5639	0.0692	0.6331	0.1530	0.0654	0.2184	0.0000	900.5470	900.5470	0.0723	0.0492	917.0073
Maximum	11.3212	41.2334	46.0550	0.1155	7.4626	1.6719	9.1345	2.5363	1.5515	4.0878	0.0000	10,485.8666	10,485.8666	1.8245	0.3953	10,645.5139

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	39.84	0.00	35.56	42.74	0.00	31.84	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2023	7-2-2023	7.3816	7.3816
2	7-3-2023	10-2-2023	7.4744	7.4744
3	10-3-2023	1-2-2024	8.5651	8.5651
4	1-3-2024	4-2-2024	10.2501	10.2501
5	4-3-2024	7-2-2024	11.2513	11.2513
6	7-3-2024	10-2-2024	12.6370	12.6370
7	10-3-2024	1-2-2025	13.4363	13.4363
8	1-3-2025	4-2-2025	12.1713	12.1713
9	4-3-2025	7-2-2025	12.1965	12.1965
10	7-3-2025	10-2-2025	12.3330	12.3330
11	10-3-2025	1-2-2026	9.2675	9.2675
12	1-3-2026	4-2-2026	8.9892	8.9892
13	4-3-2026	7-2-2026	8.1272	8.1272
14	7-3-2026	10-2-2026	6.7650	6.7650
15	10-3-2026	1-2-2027	4.7097	4.7097
16	1-3-2027	4-2-2027	4.1681	4.1681
17	4-3-2027	7-2-2027	2.7678	2.7678
18	7-3-2027	10-2-2027	2.7990	2.7990
19	10-3-2027	1-2-2028	2.8328	2.8328
20	1-3-2028	4-2-2028	2.7918	2.7918
21	4-3-2028	7-2-2028	1.8191	1.8191
		Highest	13.4363	13.4363

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.5542	0.1017	7.7176	6.0700e-003		0.4393	0.4393		0.4393	0.4393	41.8615	21.9704	63.8319	0.0803	2.5800e-003	66.6102
Energy	0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	2,025.3962	2,025.3962	0.1398	0.0380	2,040.2261
Mobile	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Waste						0.0000	0.0000		0.0000	0.0000	204.9336	0.0000	204.9336	12.1112	0.0000	507.7143
Water						0.0000	0.0000		0.0000	0.0000	21.2583	45.8552	67.1135	2.1909	0.0525	137.5163

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	11.7959	6.6746	49.0857	0.1057	10.9579	0.5974	11.5553	2.9277	0.5930	3.5206	268.0534	11,004.4092	11,272.4626	15.0228	0.5252	11,804.5530
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.5542	0.1017	7.7176	6.0700e-003		0.4393	0.4393		0.4393	0.4393	41.8615	21.9704	63.8319	0.0803	2.5800e-003	66.6102
Energy	0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	2,025.3962	2,025.3962	0.1398	0.0380	2,040.2261
Mobile	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Waste						0.0000	0.0000		0.0000	0.0000	102.4668	0.0000	102.4668	6.0556	0.0000	253.8571
Water						0.0000	0.0000		0.0000	0.0000	17.0066	38.3950	55.4017	1.7530	0.0420	111.7408
Total	11.7959	6.6746	49.0857	0.1057	10.9579	0.5974	11.5553	2.9277	0.5930	3.5206	161.3349	10,996.9490	11,158.2840	8.5293	0.5148	11,524.9204

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.81	0.07	1.01	43.22	1.99	2.37

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	
10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393	

Acres of Grading (Site Preparation Phase): 1176

Acres of Grading (Grading Phase): 6550

Acres of Paving: 18.29

Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Are

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20
Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0682	0.0000	0.0682	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4425	4.1895	3.8305	7.5700e-003		0.1945	0.1945		0.1810	0.1810	0.0000	662.8453	662.8453	0.1856	0.0000	667.4862
<b>Total</b>	<b>0.4425</b>	<b>4.1895</b>	<b>3.8305</b>	<b>7.5700e-003</b>	<b>0.0682</b>	<b>0.1945</b>	<b>0.2627</b>	<b>0.0103</b>	<b>0.1810</b>	<b>0.1913</b>	<b>0.0000</b>	<b>662.8453</b>	<b>662.8453</b>	<b>0.1856</b>	<b>0.0000</b>	<b>667.4862</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0414	9.4000e-003	1.9000e-004	5.3400e-003	3.5000e-004	5.6900e-003	1.4700e-003	3.4000e-004	1.8100e-003	0.0000	18.3620	18.3620	3.9000e-004	2.9000e-003	19.2363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6500e-003	5.2500e-003	0.0652	2.0000e-004	0.0231	1.2000e-004	0.0233	6.1500e-003	1.1000e-004	6.2600e-003	0.0000	18.2332	18.2332	5.4000e-004	5.1000e-004	18.3974
<b>Total</b>	<b>8.3000e-003</b>	<b>0.0467</b>	<b>0.0746</b>	<b>3.9000e-004</b>	<b>0.0285</b>	<b>4.7000e-004</b>	<b>0.0289</b>	<b>7.6200e-003</b>	<b>4.5000e-004</b>	<b>8.0700e-003</b>	<b>0.0000</b>	<b>36.5953</b>	<b>36.5953</b>	<b>9.3000e-004</b>	<b>3.4100e-003</b>	<b>37.6337</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0292	0.0000	0.0292	4.4100e-003	0.0000	4.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4425	4.1895	3.8305	7.5700e-003		0.1945	0.1945		0.1810	0.1810	0.0000	662.8445	662.8445	0.1856	0.0000	667.4854
<b>Total</b>	<b>0.4425</b>	<b>4.1895</b>	<b>3.8305</b>	<b>7.5700e-003</b>	<b>0.0292</b>	<b>0.1945</b>	<b>0.2237</b>	<b>4.4100e-003</b>	<b>0.1810</b>	<b>0.1854</b>	<b>0.0000</b>	<b>662.8445</b>	<b>662.8445</b>	<b>0.1856</b>	<b>0.0000</b>	<b>667.4854</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0414	9.4000e-003	1.9000e-004	5.1000e-003	3.5000e-004	5.4500e-003	1.4100e-003	3.4000e-004	1.7500e-003	0.0000	18.3620	18.3620	3.9000e-004	2.9000e-003	19.2363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6500e-003	5.2500e-003	0.0652	2.0000e-004	0.0219	1.2000e-004	0.0221	5.8600e-003	1.1000e-004	5.9700e-003	0.0000	18.2332	18.2332	5.4000e-004	5.1000e-004	18.3974

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	8.3000e-003	0.0467	0.0746	3.9000e-004	0.0270	4.7000e-004	0.0275	7.2700e-003	4.5000e-004	7.7200e-003	0.0000	36.5953	36.5953	9.3000e-004	3.4100e-003	37.6337
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## 3.2 Demolition - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0388	0.0000	0.0388	5.8800e-003	0.0000	5.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2491	2.3175	2.1875	4.3100e-003		0.1066	0.1066		0.0990	0.0990	0.0000	377.3561	377.3561	0.1056	0.0000	379.9956
<b>Total</b>	<b>0.2491</b>	<b>2.3175</b>	<b>2.1875</b>	<b>4.3100e-003</b>	<b>0.0388</b>	<b>0.1066</b>	<b>0.1454</b>	<b>5.8800e-003</b>	<b>0.0990</b>	<b>0.1049</b>	<b>0.0000</b>	<b>377.3561</b>	<b>377.3561</b>	<b>0.1056</b>	<b>0.0000</b>	<b>379.9956</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0237	5.3700e-003	1.1000e-004	3.0400e-003	2.0000e-004	3.2400e-003	8.4000e-004	1.9000e-004	1.0300e-003	0.0000	10.2991	10.2991	2.2000e-004	1.6300e-003	10.7896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0700e-003	2.6700e-003	0.0347	1.1000e-004	0.0132	7.0000e-005	0.0132	3.5000e-003	6.0000e-005	3.5600e-003	0.0000	10.1230	10.1230	2.8000e-004	2.7000e-004	10.2099
<b>Total</b>	<b>4.4400e-003</b>	<b>0.0263</b>	<b>0.0400</b>	<b>2.2000e-004</b>	<b>0.0162</b>	<b>2.7000e-004</b>	<b>0.0165</b>	<b>4.3400e-003</b>	<b>2.5000e-004</b>	<b>4.5900e-003</b>	<b>0.0000</b>	<b>20.4220</b>	<b>20.4220</b>	<b>5.0000e-004</b>	<b>1.9000e-003</b>	<b>20.9995</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0166	0.0000	0.0166	2.5100e-003	0.0000	2.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2491	2.3175	2.1875	4.3100e-003		0.1066	0.1066		0.0990	0.0990	0.0000	377.3557	377.3557	0.1056	0.0000	379.9951
<b>Total</b>	<b>0.2491</b>	<b>2.3175</b>	<b>2.1875</b>	<b>4.3100e-003</b>	<b>0.0166</b>	<b>0.1066</b>	<b>0.1232</b>	<b>2.5100e-003</b>	<b>0.0990</b>	<b>0.1015</b>	<b>0.0000</b>	<b>377.3557</b>	<b>377.3557</b>	<b>0.1056</b>	<b>0.0000</b>	<b>379.9951</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0237	5.3700e-003	1.1000e-004	2.9000e-003	2.0000e-004	3.1100e-003	8.0000e-004	1.9000e-004	1.0000e-003	0.0000	10.2991	10.2991	2.2000e-004	1.6300e-003	10.7896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0700e-003	2.6700e-003	0.0347	1.1000e-004	0.0125	7.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3900e-003	0.0000	10.1230	10.1230	2.8000e-004	2.7000e-004	10.2099

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.4400e-003	0.0263	0.0400	2.2000e-004	0.0154	2.7000e-004	0.0157	4.1300e-003	2.5000e-004	4.3900e-003	0.0000	20.4220	20.4220	5.0000e-004	1.9000e-003	20.9995
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## 3.3 Site Preparation - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1465	0.0000	4.1465	2.0038	0.0000	2.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5186	5.3672	3.5576	7.4200e-003		0.2469	0.2469		0.2271	0.2271	0.0000	652.2886	652.2886	0.2110	0.0000	657.5627
<b>Total</b>	<b>0.5186</b>	<b>5.3672</b>	<b>3.5576</b>	<b>7.4200e-003</b>	<b>4.1465</b>	<b>0.2469</b>	<b>4.3934</b>	<b>2.0038</b>	<b>0.2271</b>	<b>2.2309</b>	<b>0.0000</b>	<b>652.2886</b>	<b>652.2886</b>	<b>0.2110</b>	<b>0.0000</b>	<b>657.5627</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0270	1.4000e-004	0.0271	7.1800e-003	1.3000e-004	7.3100e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636
<b>Total</b>	<b>8.9300e-003</b>	<b>6.1200e-003</b>	<b>0.0761</b>	<b>2.3000e-004</b>	<b>0.0270</b>	<b>1.4000e-004</b>	<b>0.0271</b>	<b>7.1800e-003</b>	<b>1.3000e-004</b>	<b>7.3100e-003</b>	<b>0.0000</b>	<b>21.2721</b>	<b>21.2721</b>	<b>6.3000e-004</b>	<b>5.9000e-004</b>	<b>21.4636</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7726	0.0000	1.7726	0.8566	0.0000	0.8566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5186	5.3672	3.5576	7.4200e-003		0.2469	0.2469		0.2271	0.2271	0.0000	652.2878	652.2878	0.2110	0.0000	657.5619
<b>Total</b>	<b>0.5186</b>	<b>5.3672</b>	<b>3.5576</b>	<b>7.4200e-003</b>	<b>1.7726</b>	<b>0.2469</b>	<b>2.0195</b>	<b>0.8566</b>	<b>0.2271</b>	<b>1.0838</b>	<b>0.0000</b>	<b>652.2878</b>	<b>652.2878</b>	<b>0.2110</b>	<b>0.0000</b>	<b>657.5619</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0256	1.4000e-004	0.0257	6.8300e-003	1.3000e-004	6.9600e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0256	1.4000e-004	0.0257	6.8300e-003	1.3000e-004	6.9600e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636
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## 3.3 Site Preparation - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1826	0.0000	4.1826	2.0237	0.0000	2.0237	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5242	5.3537	3.6121	7.5000e-003		0.2422	0.2422		0.2228	0.2228	0.0000	659.1042	659.1042	0.2132	0.0000	664.4333
<b>Total</b>	<b>0.5242</b>	<b>5.3537</b>	<b>3.6121</b>	<b>7.5000e-003</b>	<b>4.1826</b>	<b>0.2422</b>	<b>4.4248</b>	<b>2.0237</b>	<b>0.2228</b>	<b>2.2465</b>	<b>0.0000</b>	<b>659.1042</b>	<b>659.1042</b>	<b>0.2132</b>	<b>0.0000</b>	<b>664.4333</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4300e-003	5.5200e-003	0.0718	2.2000e-004	0.0273	1.4000e-004	0.0274	7.2500e-003	1.2000e-004	7.3800e-003	0.0000	20.9603	20.9603	5.7000e-004	5.6000e-004	21.1404
<b>Total</b>	<b>8.4300e-003</b>	<b>5.5200e-003</b>	<b>0.0718</b>	<b>2.2000e-004</b>	<b>0.0273</b>	<b>1.4000e-004</b>	<b>0.0274</b>	<b>7.2500e-003</b>	<b>1.2000e-004</b>	<b>7.3800e-003</b>	<b>0.0000</b>	<b>20.9603</b>	<b>20.9603</b>	<b>5.7000e-004</b>	<b>5.6000e-004</b>	<b>21.1404</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7881	0.0000	1.7881	0.8651	0.0000	0.8651	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5242	5.3537	3.6121	7.5000e-003		0.2422	0.2422		0.2228	0.2228	0.0000	659.1034	659.1034	0.2132	0.0000	664.4326
<b>Total</b>	<b>0.5242</b>	<b>5.3537</b>	<b>3.6121</b>	<b>7.5000e-003</b>	<b>1.7881</b>	<b>0.2422</b>	<b>2.0303</b>	<b>0.8651</b>	<b>0.2228</b>	<b>1.0879</b>	<b>0.0000</b>	<b>659.1034</b>	<b>659.1034</b>	<b>0.2132</b>	<b>0.0000</b>	<b>664.4326</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4300e-003	5.5200e-003	0.0718	2.2000e-004	0.0259	1.4000e-004	0.0260	6.9000e-003	1.2000e-004	7.0300e-003	0.0000	20.9603	20.9603	5.7000e-004	5.6000e-004	21.1404



## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	8.4300e-003	5.5200e-003	0.0718	2.2000e-004	0.0259	1.4000e-004	0.0260	6.9000e-003	1.2000e-004	7.0300e-003	0.0000	20.9603	20.9603	5.7000e-004	5.6000e-004	21.1404
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## 3.4 Grading - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8270	0.0000	5.8270	1.6668	0.0000	1.6668	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9727	10.3410	6.9672	0.0170		0.4183	0.4183		0.3848	0.3848	0.0000	1,494.6999	1,494.6999	0.4834	0.0000	1,506.7853
<b>Total</b>	<b>0.9727</b>	<b>10.3410</b>	<b>6.9672</b>	<b>0.0170</b>	<b>5.8270</b>	<b>0.4183</b>	<b>6.2453</b>	<b>1.6668</b>	<b>0.3848</b>	<b>2.0517</b>	<b>0.0000</b>	<b>1,494.6999</b>	<b>1,494.6999</b>	<b>0.4834</b>	<b>0.0000</b>	<b>1,506.7853</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.2288	0.0519	1.0400e-003	0.0295	1.9500e-003	0.0315	8.1200e-003	1.8700e-003	9.9900e-003	0.0000	101.4823	101.4823	2.1500e-003	0.0160	106.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1087	3.3000e-004	0.0366	2.0000e-004	0.0368	0.0103	1.8000e-004	0.0104	0.0000	30.3887	30.3887	8.9000e-004	8.4000e-004	30.6624
<b>Total</b>	<b>0.0164</b>	<b>0.2376</b>	<b>0.1606</b>	<b>1.3700e-003</b>	<b>0.0681</b>	<b>2.1500e-003</b>	<b>0.0702</b>	<b>0.0184</b>	<b>2.0500e-003</b>	<b>0.0204</b>	<b>0.0000</b>	<b>131.8710</b>	<b>131.8710</b>	<b>3.0400e-003</b>	<b>0.0169</b>	<b>136.9764</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4911	0.0000	2.4911	0.7126	0.0000	0.7126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9727	10.3410	6.9672	0.0170		0.4183	0.4183		0.3848	0.3848	0.0000	1,494.6981	1,494.6981	0.4834	0.0000	1,506.7835
<b>Total</b>	<b>0.9727</b>	<b>10.3410</b>	<b>6.9672</b>	<b>0.0170</b>	<b>2.4911</b>	<b>0.4183</b>	<b>2.9094</b>	<b>0.7126</b>	<b>0.3848</b>	<b>1.0974</b>	<b>0.0000</b>	<b>1,494.6981</b>	<b>1,494.6981</b>	<b>0.4834</b>	<b>0.0000</b>	<b>1,506.7835</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.2288	0.0519	1.0400e-003	0.0282	1.9500e-003	0.0301	7.8000e-003	1.8700e-003	9.6600e-003	0.0000	101.4823	101.4823	2.1500e-003	0.0160	106.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1087	3.3000e-004	0.0366	2.0000e-004	0.0368	9.7600e-003	1.8000e-004	9.9500e-003	0.0000	30.3887	30.3887	8.9000e-004	8.4000e-004	30.6624

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0164	0.2376	0.1606	1.3700e-003	0.0647	2.1500e-003	0.0669	0.0176	2.0500e-003	0.0196	0.0000	131.8710	131.8710	3.0400e-003	0.0169	136.9764
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## 3.4 Grading - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6340	0.0000	6.6340	2.1104	0.0000	2.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2701	13.0877	9.2256	0.0229		0.5309	0.5309		0.4884	0.4884	0.0000	2,007.4822	2,007.4822	0.6493	0.0000	2,023.7137
Total	1.2701	13.0877	9.2256	0.0229	6.6340	0.5309	7.1649	2.1104	0.4884	2.5988	0.0000	2,007.4822	2,007.4822	0.6493	0.0000	2,023.7137

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.3088	0.0701	1.3700e-003	0.0397	2.6400e-003	0.0423	0.0109	2.5300e-003	0.0134	0.0000	134.3524	134.3524	2.9100e-003	0.0212	140.7516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0105	0.1364	4.3000e-004	0.0518	2.6000e-004	0.0521	0.0138	2.4000e-004	0.0140	0.0000	39.8231	39.8231	1.0900e-003	1.0600e-003	40.1652
Total	0.0208	0.3193	0.2065	1.8000e-003	0.0914	2.9000e-003	0.0944	0.0247	2.7700e-003	0.0275	0.0000	174.1755	174.1755	4.0000e-003	0.0223	180.9168

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8360	0.0000	2.8360	0.9022	0.0000	0.9022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2701	13.0877	9.2256	0.0229		0.5309	0.5309		0.4884	0.4884	0.0000	2,007.4798	2,007.4798	0.6493	0.0000	2,023.7113
Total	1.2701	13.0877	9.2256	0.0229	2.8360	0.5309	3.3670	0.9022	0.4884	1.3906	0.0000	2,007.4798	2,007.4798	0.6493	0.0000	2,023.7113

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.3088	0.0701	1.3700e-003	0.0379	2.6400e-003	0.0405	0.0105	2.5300e-003	0.0130	0.0000	134.3524	134.3524	2.9100e-003	0.0212	140.7516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0105	0.1364	4.3000e-004	0.0491	2.6000e-004	0.0494	0.0131	2.4000e-004	0.0134	0.0000	39.8231	39.8231	1.0900e-003	1.0600e-003	40.1652

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0208	0.3193	0.2065	1.8000e-003	0.0870	2.9000e-003	0.0899	0.0236	2.7700e-003	0.0264	0.0000	174.1755	174.1755	4.0000e-003	0.0223	180.9168
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## 3.4 Grading - 2025

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8632	0.0000	5.8632	1.6867	0.0000	1.6867	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8643	8.5496	6.5427	0.0173		0.3412	0.3412		0.3139	0.3139	0.0000	1,516.6056	1,516.6056	0.4905	0.0000	1,528.8681
Total	0.8643	8.5496	6.5427	0.0173	5.8632	0.3412	6.2044	1.6867	0.3139	2.0006	0.0000	1,516.6056	1,516.6056	0.4905	0.0000	1,528.8681

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.2326	0.0530	1.0200e-003	0.0300	2.0000e-003	0.0320	8.2500e-003	1.9100e-003	0.0102	0.0000	99.6690	99.6690	2.2100e-003	0.0158	104.4183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0114	7.1500e-003	0.0968	3.1000e-004	0.0391	1.9000e-004	0.0393	0.0104	1.7000e-004	0.0106	0.0000	29.3747	29.3747	7.5000e-004	7.5000e-004	29.6165
Total	0.0150	0.2397	0.1498	1.3300e-003	0.0691	2.1900e-003	0.0713	0.0187	2.0800e-003	0.0207	0.0000	129.0437	129.0437	2.9600e-003	0.0165	134.0348

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.5065	0.0000	2.5065	0.7211	0.0000	0.7211	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8643	8.5496	6.5427	0.0173		0.3412	0.3412		0.3139	0.3139	0.0000	1,516.6038	1,516.6038	0.4905	0.0000	1,528.8663
Total	0.8643	8.5496	6.5427	0.0173	2.5065	0.3412	2.8477	0.7211	0.3139	1.0349	0.0000	1,516.6038	1,516.6038	0.4905	0.0000	1,528.8663

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.2326	0.0530	1.0200e-003	0.0286	2.0000e-003	0.0306	7.9200e-003	1.9100e-003	9.8300e-003	0.0000	99.6690	99.6690	2.2100e-003	0.0158	104.4183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0114	7.1500e-003	0.0968	3.1000e-004	0.0371	1.9000e-004	0.0373	9.9100e-003	1.7000e-004	0.0101	0.0000	29.3747	29.3747	7.5000e-004	7.5000e-004	29.6165

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0150	0.2397	0.1498	1.3300e-003	0.0657	2.1900e-003	0.0679	0.0178	2.0800e-003	0.0199	0.0000	129.0437	129.0437	2.9600e-003	0.0165	134.0348
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## 3.5 Infrastructure (Trenching) - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6731	150.6731	0.0358	0.0000	151.5692
Total	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6731	150.6731	0.0358	0.0000	151.5692

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0116	6.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1300e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987
Total	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0116	6.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1300e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6729	150.6729	0.0358	0.0000	151.5690
Total	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6729	150.6729	0.0358	0.0000	151.5690

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0110	6.0000e-005	0.0110	2.9300e-003	6.0000e-005	2.9800e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987
Total	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0110	6.0000e-005	0.0110	2.9300e-003	6.0000e-005	2.9800e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 3.5 Infrastructure (Trenching) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3856	3.5223	4.2357	7.0600e-003		0.1607	0.1607		0.1512	0.1512	0.0000	607.4447	607.4447	0.1436	0.0000	611.0357
<b>Total</b>	<b>0.3856</b>	<b>3.5223</b>	<b>4.2357</b>	<b>7.0600e-003</b>		<b>0.1607</b>	<b>0.1607</b>		<b>0.1512</b>	<b>0.1512</b>	<b>0.0000</b>	<b>607.4447</b>	<b>607.4447</b>	<b>0.1436</b>	<b>0.0000</b>	<b>611.0357</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	9.4500e-003	0.1228	3.8000e-004	0.0466	2.3000e-004	0.0468	0.0124	2.1000e-004	0.0126	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487
<b>Total</b>	<b>0.0144</b>	<b>9.4500e-003</b>	<b>0.1228</b>	<b>3.8000e-004</b>	<b>0.0466</b>	<b>2.3000e-004</b>	<b>0.0468</b>	<b>0.0124</b>	<b>2.1000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>35.8408</b>	<b>35.8408</b>	<b>9.8000e-004</b>	<b>9.5000e-004</b>	<b>36.1487</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3856	3.5223	4.2357	7.0600e-003		0.1607	0.1607		0.1512	0.1512	0.0000	607.4439	607.4439	0.1436	0.0000	611.0350
<b>Total</b>	<b>0.3856</b>	<b>3.5223</b>	<b>4.2357</b>	<b>7.0600e-003</b>		<b>0.1607</b>	<b>0.1607</b>		<b>0.1512</b>	<b>0.1512</b>	<b>0.0000</b>	<b>607.4439</b>	<b>607.4439</b>	<b>0.1436</b>	<b>0.0000</b>	<b>611.0350</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	9.4500e-003	0.1228	3.8000e-004	0.0442	2.3000e-004	0.0444	0.0118	2.1000e-004	0.0120	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487
<b>Total</b>	<b>0.0144</b>	<b>9.4500e-003</b>	<b>0.1228</b>	<b>3.8000e-004</b>	<b>0.0442</b>	<b>2.3000e-004</b>	<b>0.0444</b>	<b>0.0118</b>	<b>2.1000e-004</b>	<b>0.0120</b>	<b>0.0000</b>	<b>35.8408</b>	<b>35.8408</b>	<b>9.8000e-004</b>	<b>9.5000e-004</b>	<b>36.1487</b>

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 3.5 Infrastructure (Trenching) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0135	8.4800e-003	0.1148	3.7000e-004	0.0464	2.2000e-004	0.0467	0.0124	2.0000e-004	0.0126	0.0000	34.8491	34.8491	8.9000e-004	8.9000e-004	35.1360
<b>Total</b>	<b>0.0135</b>	<b>8.4800e-003</b>	<b>0.1148</b>	<b>3.7000e-004</b>	<b>0.0464</b>	<b>2.2000e-004</b>	<b>0.0467</b>	<b>0.0124</b>	<b>2.0000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>34.8491</b>	<b>34.8491</b>	<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>35.1360</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0135	8.4800e-003	0.1148	3.7000e-004	0.0440	2.2000e-004	0.0443	0.0118	2.0000e-004	0.0120	0.0000	34.8491	34.8491	8.9000e-004	8.9000e-004	35.1360
<b>Total</b>	<b>0.0135</b>	<b>8.4800e-003</b>	<b>0.1148</b>	<b>3.7000e-004</b>	<b>0.0440</b>	<b>2.2000e-004</b>	<b>0.0443</b>	<b>0.0118</b>	<b>2.0000e-004</b>	<b>0.0120</b>	<b>0.0000</b>	<b>34.8491</b>	<b>34.8491</b>	<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>35.1360</b>

## 3.5 Infrastructure (Trenching) - 2026

Unmitigated Construction On-Site

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2379	2.1697	2.7987	4.6900e-003		0.0918	0.0918		0.0864	0.0864	0.0000	403.5399	403.5399	0.0949	0.0000	405.9113
<b>Total</b>	<b>0.2379</b>	<b>2.1697</b>	<b>2.7987</b>	<b>4.6900e-003</b>		<b>0.0918</b>	<b>0.0918</b>		<b>0.0864</b>	<b>0.0864</b>	<b>0.0000</b>	<b>403.5399</b>	<b>403.5399</b>	<b>0.0949</b>	<b>0.0000</b>	<b>405.9113</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0310	1.4000e-004	0.0311	8.2300e-003	1.3000e-004	8.3600e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808
<b>Total</b>	<b>8.4800e-003</b>	<b>5.1500e-003</b>	<b>0.0724</b>	<b>2.4000e-004</b>	<b>0.0310</b>	<b>1.4000e-004</b>	<b>0.0311</b>	<b>8.2300e-003</b>	<b>1.3000e-004</b>	<b>8.3600e-003</b>	<b>0.0000</b>	<b>22.7005</b>	<b>22.7005</b>	<b>5.4000e-004</b>	<b>5.6000e-004</b>	<b>22.8808</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2379	2.1697	2.7987	4.6900e-003		0.0918	0.0918		0.0864	0.0864	0.0000	403.5394	403.5394	0.0949	0.0000	405.9109
<b>Total</b>	<b>0.2379</b>	<b>2.1697</b>	<b>2.7987</b>	<b>4.6900e-003</b>		<b>0.0918</b>	<b>0.0918</b>		<b>0.0864</b>	<b>0.0864</b>	<b>0.0000</b>	<b>403.5394</b>	<b>403.5394</b>	<b>0.0949</b>	<b>0.0000</b>	<b>405.9109</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0294	1.4000e-004	0.0295	7.8400e-003	1.3000e-004	7.9700e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808
<b>Total</b>	<b>8.4800e-003</b>	<b>5.1500e-003</b>	<b>0.0724</b>	<b>2.4000e-004</b>	<b>0.0294</b>	<b>1.4000e-004</b>	<b>0.0295</b>	<b>7.8400e-003</b>	<b>1.3000e-004</b>	<b>7.9700e-003</b>	<b>0.0000</b>	<b>22.7005</b>	<b>22.7005</b>	<b>5.4000e-004</b>	<b>5.6000e-004</b>	<b>22.8808</b>

**3.6 Building Construction (Commercial) - 2024****Unmitigated Construction On-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000	1,107.4829	1,107.4829	0.3108	0.0000	1,115.2535
<b>Total</b>	<b>0.6136</b>	<b>5.8368</b>	<b>7.8497</b>	<b>0.0127</b>		<b>0.2772</b>	<b>0.2772</b>		<b>0.2579</b>	<b>0.2579</b>	<b>0.0000</b>	<b>1,107.4829</b>	<b>1,107.4829</b>	<b>0.3108</b>	<b>0.0000</b>	<b>1,115.2535</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0368	1.6389	0.4843	7.3400e-003	0.2453	9.9400e-003	0.2552	0.0710	9.5100e-003	0.0805	0.0000	711.0761	711.0761	9.8300e-003	0.1065	743.0706
Worker	0.3046	0.1996	2.5944	8.0900e-003	0.9850	4.8900e-003	0.9899	0.2620	4.5000e-003	0.2665	0.0000	757.4356	757.4356	0.0208	0.0201	763.9418
<b>Total</b>	<b>0.3414</b>	<b>1.8385</b>	<b>3.0788</b>	<b>0.0154</b>	<b>1.2303</b>	<b>0.0148</b>	<b>1.2451</b>	<b>0.3330</b>	<b>0.0140</b>	<b>0.3470</b>	<b>0.0000</b>	<b>1,468.5117</b>	<b>1,468.5117</b>	<b>0.0306</b>	<b>0.1266</b>	<b>1,507.0124</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000	1,107.4816	1,107.4816	0.3108	0.0000	1,115.2522
<b>Total</b>	<b>0.6136</b>	<b>5.8368</b>	<b>7.8497</b>	<b>0.0127</b>		<b>0.2772</b>	<b>0.2772</b>		<b>0.2579</b>	<b>0.2579</b>	<b>0.0000</b>	<b>1,107.4816</b>	<b>1,107.4816</b>	<b>0.3108</b>	<b>0.0000</b>	<b>1,115.2522</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0368	1.6389	0.4843	7.3400e-003	0.2349	9.9400e-003	0.2449	0.0684	9.5100e-003	0.0779	0.0000	711.0761	711.0761	9.8300e-003	0.1065	743.0706
Worker	0.3046	0.1996	2.5944	8.0900e-003	0.9340	4.8900e-003	0.9389	0.2495	4.5000e-003	0.2540	0.0000	757.4356	757.4356	0.0208	0.0201	763.9418
<b>Total</b>	<b>0.3414</b>	<b>1.8385</b>	<b>3.0788</b>	<b>0.0154</b>	<b>1.1689</b>	<b>0.0148</b>	<b>1.1837</b>	<b>0.3179</b>	<b>0.0140</b>	<b>0.3319</b>	<b>0.0000</b>	<b>1,468.5117</b>	<b>1,468.5117</b>	<b>0.0306</b>	<b>0.1266</b>	<b>1,507.0124</b>

**3.6 Building Construction (Commercial) - 2025**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Off-Road	0.5671	5.3193	7.7874	0.0127		0.2416	0.2416		0.2247	0.2247	0.0000	1,103.2495	1,103.2495	0.3089	0.0000	1,110.9731
<b>Total</b>	<b>0.5671</b>	<b>5.3193</b>	<b>7.7874</b>	<b>0.0127</b>		<b>0.2416</b>	<b>0.2416</b>		<b>0.2247</b>	<b>0.2247</b>	<b>0.0000</b>	<b>1,103.2495</b>	<b>1,103.2495</b>	<b>0.3089</b>	<b>0.0000</b>	<b>1,110.9731</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5671	5.3193	7.7874	0.0127		0.2416	0.2416		0.2247	0.2247	0.0000	1,103.2482	1,103.2482	0.3089	0.0000	1,110.9718
<b>Total</b>	<b>0.5671</b>	<b>5.3193</b>	<b>7.7874</b>	<b>0.0127</b>		<b>0.2416</b>	<b>0.2416</b>		<b>0.2247</b>	<b>0.2247</b>	<b>0.0000</b>	<b>1,103.2482</b>	<b>1,103.2482</b>	<b>0.3089</b>	<b>0.0000</b>	<b>1,110.9718</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

## 3.6 Building Construction (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.3780	3.5462	5.1916	8.4400e-003		0.1611	0.1611		0.1498	0.1498	0.0000	735.4997	735.4997	0.2060	0.0000	740.6488
Total	0.3780	3.5462	5.1916	8.4400e-003		0.1611	0.1611		0.1498	0.1498	0.0000	735.4997	735.4997	0.2060	0.0000	740.6488

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0235	1.0841	0.3122	4.7000e-003	0.1629	6.5800e-003	0.1695	0.0471	6.2900e-003	0.0534	0.0000	455.3221	455.3221	6.5300e-003	0.0683	475.8271
Worker	0.1792	0.1088	1.5294	5.0300e-003	0.6542	2.9600e-003	0.6571	0.1740	2.7300e-003	0.1768	0.0000	479.7363	479.7363	0.0115	0.0118	483.5471
Total	0.2027	1.1929	1.8416	9.7300e-003	0.8171	9.5400e-003	0.8266	0.2211	9.0200e-003	0.2302	0.0000	935.0584	935.0584	0.0180	0.0801	959.3742

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3780	3.5462	5.1916	8.4400e-003		0.1611	0.1611		0.1498	0.1498	0.0000	735.4988	735.4988	0.2060	0.0000	740.6479
Total	0.3780	3.5462	5.1916	8.4400e-003		0.1611	0.1611		0.1498	0.1498	0.0000	735.4988	735.4988	0.2060	0.0000	740.6479

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0235	1.0841	0.3122	4.7000e-003	0.1560	6.5800e-003	0.1626	0.0454	6.2900e-003	0.0517	0.0000	455.3221	455.3221	6.5300e-003	0.0683	475.8271
Worker	0.1792	0.1088	1.5294	5.0300e-003	0.6203	2.9600e-003	0.6232	0.1657	2.7300e-003	0.1684	0.0000	479.7363	479.7363	0.0115	0.0118	483.5471
Total	0.2027	1.1929	1.8416	9.7300e-003	0.7763	9.5400e-003	0.7858	0.2111	9.0200e-003	0.2202	0.0000	935.0584	935.0584	0.0180	0.0801	959.3742

### Unmitigated Construction On-Site

[illegible]

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

### Unmitigated Construction Off-Site

### **Mitigated Construction On-Site**

### Mitigated Construction Off-Site

### Unmitigated Construction On-Site

[illegible]

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

### Unmitigated Construction Off-Site

### Mitigated Construction On-Site

### Mitigated Construction Off-Site

### 3.7 Paving (Commercial) - 2026

### Unmitigated Construction On-Site

[illegible]

SCS Dublin - Unmitigated Construction - Alameda County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.1221	1.0505	1.7698	2.7800e-003		0.0508	0.0508		0.0472	0.0472	0.0000	243.7831	243.7831	0.0714	0.0000	245.5689
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0149	7.0000e-005	0.0150	3.9800e-003	6.0000e-005	4.0400e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459
Total	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0149	7.0000e-005	0.0150	3.9800e-003	6.0000e-005	4.0400e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1173	1.0505	1.7698	2.7800e-003		0.0508	0.0508		0.0472	0.0472	0.0000	243.7828	243.7828	0.0714	0.0000	245.5686
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1221	1.0505	1.7698	2.7800e-003		0.0508	0.0508		0.0472	0.0472	0.0000	243.7828	243.7828	0.0714	0.0000	245.5686

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0142	7.0000e-005	0.0142	3.7900e-003	6.0000e-005	3.8500e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459
Total	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0142	7.0000e-005	0.0142	3.7900e-003	6.0000e-005	3.8500e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459

3.8 Building Construction (Apartment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1423	5.7700e-003	0.1481	0.0412	5.5200e-003	0.0467	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5715	2.8400e-003	0.5743	0.1520	2.6100e-003	0.1546	0.0000	439.4263	439.4263	0.0120	0.0117	443.2029
Total	0.1981	1.0666	1.7862	8.9600e-003	0.7138	8.6100e-003	0.7224	0.1932	8.1300e-003	0.2013	0.0000	851.9610	851.9610	0.0177	0.0735	874.2973

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936
Total	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1363	5.7700e-003	0.1421	0.0397	5.5200e-003	0.0452	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5418	2.8400e-003	0.5447	0.1448	2.6100e-003	0.1474	0.0000	439.4263	439.4263	0.0120	0.0117	443.2029
Total	0.1981	1.0666	1.7862	8.9600e-003	0.6781	8.6100e-003	0.6867	0.1844	8.1300e-003	0.1926	0.0000	851.9610	851.9610	0.0177	0.0735	874.2973

## 3.8 Building Construction (Apartment) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
Total	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

**3.8 Building Construction (Apartment) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2443	9.8700e-003	0.2542	0.0707	9.4400e-003	0.0801	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9813	4.4400e-003	0.9857	0.2610	4.0900e-003	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.2256</b>	<b>0.0143</b>	<b>1.2399</b>	<b>0.3317</b>	<b>0.0135</b>	<b>0.3452</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2340	9.8700e-003	0.2439	0.0682	9.4400e-003	0.0776	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9304	4.4400e-003	0.9348	0.2486	4.0900e-003	0.2526	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.1644</b>	<b>0.0143</b>	<b>1.1787</b>	<b>0.3167</b>	<b>0.0135</b>	<b>0.3302</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

## 3.8 Building Construction (Apartment) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0889	0.8105	1.0455	1.7500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	150.7476	150.7476	0.0354	0.0000	151.6336
<b>Total</b>	<b>0.0889</b>	<b>0.8105</b>	<b>1.0455</b>	<b>1.7500e-003</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0323</b>	<b>0.0323</b>	<b>0.0000</b>	<b>150.7476</b>	<b>150.7476</b>	<b>0.0354</b>	<b>0.0000</b>	<b>151.6336</b>

Unmitigated Construction Off-Site



## SCS Dublin - Unmitigated Construction - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6300e-003	0.4031	0.1153	1.7200e-003	0.0609	2.4400e-003	0.0633	0.0176	2.3300e-003	0.0199	0.0000	166.6701	166.6701	2.4300e-003	0.0250	174.1789
Worker	0.0633	0.0373	0.5433	1.8300e-003	0.2444	1.0400e-003	0.2454	0.0650	9.6000e-004	0.0660	0.0000	175.3855	175.3855	3.9300e-003	4.2000e-003	176.7363
<b>Total</b>	<b>0.0719</b>	<b>0.4404</b>	<b>0.6585</b>	<b>3.5500e-003</b>	<b>0.3052</b>	<b>3.4800e-003</b>	<b>0.3087</b>	<b>0.0826</b>	<b>3.2900e-003</b>	<b>0.0859</b>	<b>0.0000</b>	<b>342.0557</b>	<b>342.0557</b>	<b>6.3600e-003</b>	<b>0.0292</b>	<b>350.9152</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0889	0.8105	1.0455	1.7500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	150.7475	150.7475	0.0354	0.0000	151.6334
<b>Total</b>	<b>0.0889</b>	<b>0.8105</b>	<b>1.0455</b>	<b>1.7500e-003</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0323</b>	<b>0.0323</b>	<b>0.0000</b>	<b>150.7475</b>	<b>150.7475</b>	<b>0.0354</b>	<b>0.0000</b>	<b>151.6334</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6300e-003	0.4031	0.1153	1.7200e-003	0.0583	2.4400e-003	0.0607	0.0170	2.3300e-003	0.0193	0.0000	166.6701	166.6701	2.4300e-003	0.0250	174.1789
Worker	0.0633	0.0373	0.5433	1.8300e-003	0.2317	1.0400e-003	0.2328	0.0619	9.6000e-004	0.0629	0.0000	175.3855	175.3855	3.9300e-003	4.2000e-003	176.7363
<b>Total</b>	<b>0.0719</b>	<b>0.4404</b>	<b>0.6585</b>	<b>3.5500e-003</b>	<b>0.2900</b>	<b>3.4800e-003</b>	<b>0.2935</b>	<b>0.0789</b>	<b>3.2900e-003</b>	<b>0.0822</b>	<b>0.0000</b>	<b>342.0557</b>	<b>342.0557</b>	<b>6.3600e-003</b>	<b>0.0292</b>	<b>350.9152</b>

**3.9 Building Construction (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940
<b>Total</b>	<b>0.2237</b>	<b>2.0435</b>	<b>2.4574</b>	<b>4.1000e-003</b>		<b>0.0932</b>	<b>0.0932</b>		<b>0.0877</b>	<b>0.0877</b>	<b>0.0000</b>	<b>352.4106</b>	<b>352.4106</b>	<b>0.0833</b>	<b>0.0000</b>	<b>354.4940</b>

**Unmitigated Construction Off-Site**

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1423	5.7700e-003	0.1481	0.0412	5.5200e-003	0.0467	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5715	2.8400e-003	0.5743	0.1520	2.6100e-003	0.1546	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.7138</b>	<b>8.6100e-003</b>	<b>0.7224</b>	<b>0.1932</b>	<b>8.1300e-003</b>	<b>0.2013</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936
<b>Total</b>	<b>0.2237</b>	<b>2.0435</b>	<b>2.4574</b>	<b>4.1000e-003</b>		<b>0.0932</b>	<b>0.0932</b>		<b>0.0877</b>	<b>0.0877</b>	<b>0.0000</b>	<b>352.4102</b>	<b>352.4102</b>	<b>0.0833</b>	<b>0.0000</b>	<b>354.4936</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1363	5.7700e-003	0.1421	0.0397	5.5200e-003	0.0452	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5418	2.8400e-003	0.5447	0.1448	2.6100e-003	0.1474	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.6781</b>	<b>8.6100e-003</b>	<b>0.6867</b>	<b>0.1844</b>	<b>8.1300e-003</b>	<b>0.1926</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

## 3.9 Building Construction (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

## 3.9 Building Construction (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2443	9.8700e-003	0.2542	0.0707	9.4400e-003	0.0801	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9813	4.4400e-003	0.9857	0.2610	4.0900e-003	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.2256</b>	<b>0.0143</b>	<b>1.2399</b>	<b>0.3317</b>	<b>0.0135</b>	<b>0.3452</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2340	9.8700e-003	0.2439	0.0682	9.4400e-003	0.0776	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9304	4.4400e-003	0.9348	0.2486	4.0900e-003	0.2526	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.1644</b>	<b>0.0143</b>	<b>1.1787</b>	<b>0.3167</b>	<b>0.0135</b>	<b>0.3302</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

## 3.9 Building Construction (For Sale) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0346	1.6186	0.4629	6.9100e-003	0.2444	9.8000e-003	0.2542	0.0707	9.3700e-003	0.0801	0.0000	669.2447	669.2447	9.7500e-003	0.1004	699.3952

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.2540	0.1497	2.1814	7.3300e-003	0.9813	4.1900e-003	0.9855	0.2610	3.8600e-003	0.2649	0.0000	704.2403	704.2403	0.0158	0.0169	709.6642
<b>Total</b>	<b>0.2887</b>	<b>1.7683</b>	<b>2.6443</b>	<b>0.0142</b>	<b>1.2256</b>	<b>0.0140</b>	<b>1.2396</b>	<b>0.3317</b>	<b>0.0132</b>	<b>0.3450</b>	<b>0.0000</b>	<b>1,373.4850</b>	<b>1,373.4850</b>	<b>0.0255</b>	<b>0.1172</b>	<b>1,409.0593</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0346	1.6186	0.4629	6.9100e-003	0.2341	9.8000e-003	0.2439	0.0682	9.3700e-003	0.0775	0.0000	669.2447	669.2447	9.7500e-003	0.1004	699.3952
Worker	0.2540	0.1497	2.1814	7.3300e-003	0.9304	4.1900e-003	0.9346	0.2486	3.8600e-003	0.2524	0.0000	704.2403	704.2403	0.0158	0.0169	709.6642
<b>Total</b>	<b>0.2887</b>	<b>1.7683</b>	<b>2.6443</b>	<b>0.0142</b>	<b>1.1645</b>	<b>0.0140</b>	<b>1.1784</b>	<b>0.3167</b>	<b>0.0132</b>	<b>0.3299</b>	<b>0.0000</b>	<b>1,373.4850</b>	<b>1,373.4850</b>	<b>0.0255</b>	<b>0.1172</b>	<b>1,409.0593</b>

## 3.9 Building Construction (For Sale) - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1491	1.3592	1.7532	2.9400e-003		0.0575	0.0575		0.0541	0.0541	0.0000	252.7922	252.7922	0.0594	0.0000	254.2778
<b>Total</b>	<b>0.1491</b>	<b>1.3592</b>	<b>1.7532</b>	<b>2.9400e-003</b>		<b>0.0575</b>	<b>0.0575</b>		<b>0.0541</b>	<b>0.0541</b>	<b>0.0000</b>	<b>252.7922</b>	<b>252.7922</b>	<b>0.0594</b>	<b>0.0000</b>	<b>254.2778</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.6736	0.1916	2.8300e-003	0.1021	4.0600e-003	0.1061	0.0295	3.8900e-003	0.0334	0.0000	273.9149	273.9149	4.0600e-003	0.0411	286.2571
Worker	0.1003	0.0578	0.8713	2.9800e-003	0.4098	1.6400e-003	0.4114	0.1030	1.5100e-003	0.1105	0.0000	288.3921	288.3921	6.0800e-003	6.7500e-003	290.5545

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.1146	0.7314	1.0629	5.8100e-003	0.5119	5.7000e-003	0.5176	0.1385	5.4000e-003	0.1439	0.0000	562.3069	562.3069	0.0101	0.0478	576.8116
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1491	1.3592	1.7532	2.9400e-003		0.0575	0.0575		0.0541	0.0541	0.0000	252.7919	252.7919	0.0594	0.0000	254.2775
Total	0.1491	1.3592	1.7532	2.9400e-003		0.0575	0.0575		0.0541	0.0541	0.0000	252.7919	252.7919	0.0594	0.0000	254.2775

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.6736	0.1916	2.8300e-003	0.0978	4.0600e-003	0.1018	0.0285	3.8900e-003	0.0324	0.0000	273.9149	273.9149	4.0600e-003	0.0411	286.2571
Worker	0.1003	0.0578	0.8713	2.9800e-003	0.3886	1.6400e-003	0.3902	0.1038	1.5100e-003	0.1053	0.0000	288.3921	288.3921	6.0800e-003	6.7500e-003	290.5545
Total	0.1146	0.7314	1.0629	5.8100e-003	0.4863	5.7000e-003	0.4920	0.1323	5.4000e-003	0.1377	0.0000	562.3069	562.3069	0.0101	0.0478	576.8116

## 3.10 Paving (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0652	0.6286	0.9653	1.5100e-003		0.0309	0.0309		0.0285	0.0285	0.0000	132.1751	132.1751	0.0428	0.0000	133.2438
Paving	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0693	0.6286	0.9653	1.5100e-003		0.0309	0.0309		0.0285	0.0285	0.0000	132.1751	132.1751	0.0428	0.0000	133.2438

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.8300e-003	4.0000e-005	7.8700e-003	2.0800e-003	4.0000e-005	2.1200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.8300e-003	4.0000e-005	7.8700e-003	2.0800e-003	4.0000e-005	2.1200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0652	0.6286	0.9653	1.5100e-003		0.0309	0.0309		0.0285	0.0285	0.0000	132.1750	132.1750	0.0428	0.0000	133.2437
Paving	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0693</b>	<b>0.6286</b>	<b>0.9653</b>	<b>1.5100e-003</b>		<b>0.0309</b>	<b>0.0309</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>132.1750</b>	<b>132.1750</b>	<b>0.0428</b>	<b>0.0000</b>	<b>133.2437</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.4200e-003	4.0000e-005	7.4600e-003	1.9800e-003	4.0000e-005	2.0200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708
<b>Total</b>	<b>2.4200e-003</b>	<b>1.5900e-003</b>	<b>0.0206</b>	<b>6.0000e-005</b>	<b>7.4200e-003</b>	<b>4.0000e-005</b>	<b>7.4600e-003</b>	<b>1.9800e-003</b>	<b>4.0000e-005</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>6.0191</b>	<b>6.0191</b>	<b>1.6000e-004</b>	<b>1.6000e-004</b>	<b>6.0708</b>

**3.10 Paving (For Sale) - 2025**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2389	2.2398	3.8049	5.9500e-003		0.1092	0.1092		0.1005	0.1005	0.0000	522.5026	522.5026	0.1690	0.0000	526.7273
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2548</b>	<b>2.2398</b>	<b>3.8049</b>	<b>5.9500e-003</b>		<b>0.1092</b>	<b>0.1092</b>		<b>0.1005</b>	<b>0.1005</b>	<b>0.0000</b>	<b>522.5026</b>	<b>522.5026</b>	<b>0.1690</b>	<b>0.0000</b>	<b>526.7273</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0310	1.5000e-004	0.0311	8.2300e-003	1.4000e-004	8.3700e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0310	1.5000e-004	0.0311	8.2300e-003	1.4000e-004	8.3700e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2389	2.2398	3.8048	5.9500e-003		0.1092	0.1092		0.1005	0.1005	0.0000	522.5019	522.5019	0.1690	0.0000	526.7266
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2548</b>	<b>2.2398</b>	<b>3.8048</b>	<b>5.9500e-003</b>		<b>0.1092</b>	<b>0.1092</b>		<b>0.1005</b>	<b>0.1005</b>	<b>0.0000</b>	<b>522.5019</b>	<b>522.5019</b>	<b>0.1690</b>	<b>0.0000</b>	<b>526.7266</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0294	1.5000e-004	0.0295	7.8400e-003	1.4000e-004	7.9800e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240
<b>Total</b>	<b>8.9900e-003</b>	<b>5.6500e-003</b>	<b>0.0766</b>	<b>2.5000e-004</b>	<b>0.0294</b>	<b>1.5000e-004</b>	<b>0.0295</b>	<b>7.8400e-003</b>	<b>1.4000e-004</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>23.2327</b>	<b>23.2327</b>	<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>23.4240</b>

**3.10 Paving (For Sale) - 2026**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0595	0.5578	0.9476	1.4800e-003		0.0272	0.0272		0.0250	0.0250	0.0000	130.1252	130.1252	0.0421	0.0000	131.1773
Paving	3.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0635</b>	<b>0.5578</b>	<b>0.9476</b>	<b>1.4800e-003</b>		<b>0.0272</b>	<b>0.0272</b>		<b>0.0250</b>	<b>0.0250</b>	<b>0.0000</b>	<b>130.1252</b>	<b>130.1252</b>	<b>0.0421</b>	<b>0.0000</b>	<b>131.1773</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.7100e-003	3.0000e-005	7.7400e-003	2.0500e-003	3.0000e-005	2.0800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983



SCS Dublin - Unmitigated Construction - Alameda County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.7100e-003	3.0000e-005	7.7400e-003	2.0500e-003	3.0000e-005	2.0800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0595	0.5578	0.9476	1.4800e-003		0.0272	0.0272		0.0250	0.0250	0.0000	130.1250	130.1250	0.0421	0.0000	131.1771
Paving	3.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0635	0.5578	0.9476	1.4800e-003		0.0272	0.0272		0.0250	0.0250	0.0000	130.1250	130.1250	0.0421	0.0000	131.1771

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.7100e-003	3.0000e-005	7.7400e-003	1.9500e-003	3.0000e-005	1.9800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983
Total	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.7100e-003	3.0000e-005	7.7400e-003	1.9500e-003	3.0000e-005	1.9800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983

3.11 Arch Coating (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
Total	0.9041	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.9041</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0470	2.5000e-004	0.0473	0.0126	2.3000e-004	0.0128	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0470</b>	<b>2.5000e-004</b>	<b>0.0473</b>	<b>0.0126</b>	<b>2.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

## 3.11 Arch Coating (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>3.5727</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
Total	3.5727	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
Total	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518

## 3.11 Arch Coating (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060
Total	3.2716	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0227	61.0227	3.3300e-003	0.0000	61.1059
<b>Total</b>	<b>3.2716</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0227</b>	<b>61.0227</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1059</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-004	0.1710	0.0455	7.5000e-004	0.0462	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1702</b>	<b>8.1000e-004</b>	<b>0.1710</b>	<b>0.0455</b>	<b>7.5000e-004</b>	<b>0.0462</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

## 3.12 Arch Coating (Apartments) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.9041</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.9041</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0470	2.5000e-004	0.0473	0.0126	2.3000e-004	0.0128	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0470</b>	<b>2.5000e-004</b>	<b>0.0473</b>	<b>0.0126</b>	<b>2.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

## 3.12 Arch Coating (Apartments) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>3.5727</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
Total	3.5727	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
Total	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518

## 3.12 Arch Coating (Apartments) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060
Total	3.2716	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0227	61.0227	3.3300e-003	0.0000	61.1059
<b>Total</b>	<b>3.2716</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0227</b>	<b>61.0227</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1059</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-004	0.1710	0.0455	7.5000e-004	0.0462	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1702</b>	<b>8.1000e-004</b>	<b>0.1710</b>	<b>0.0455</b>	<b>7.5000e-004</b>	<b>0.0462</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

## 3.13 Arch Coating (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4478					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9300e-003	0.0264	0.0416	7.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	5.8725	5.8725	3.2000e-004	0.0000	5.8805
<b>Total</b>	<b>0.4517</b>	<b>0.0264</b>	<b>0.0416</b>	<b>7.0000e-005</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>5.8725</b>	<b>5.8725</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>5.8805</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0173	8.0000e-005	0.0174	4.6000e-003	7.0000e-005	4.6700e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0173	8.0000e-005	0.0174	4.6000e-003	7.0000e-005	4.6700e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4478					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9300e-003	0.0264	0.0416	7.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	5.8725	5.8725	3.2000e-004	0.0000	5.8805
Total	0.4517	0.0264	0.0416	7.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	5.8725	5.8725	3.2000e-004	0.0000	5.8805

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0164	8.0000e-005	0.0165	4.3800e-003	7.0000e-005	4.4500e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700
Total	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0164	8.0000e-005	0.0165	4.3800e-003	7.0000e-005	4.4500e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700

## 3.13 Arch Coating (For Sale) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.0812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
Total	5.1258	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0508	0.0299	0.4358	1.4700e-003	0.1961	8.4000e-004	0.1969	0.0522	7.7000e-004	0.0529	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836



## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0508	0.0299	0.4358	1.4700e-003	0.1961	8.4000e-004	0.1969	0.0522	7.7000e-004	0.0529	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.0812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
Total	5.1258	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0508	0.0299	0.4358	1.4700e-003	0.1859	8.4000e-004	0.1867	0.0497	7.7000e-004	0.0504	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836
Total	0.0508	0.0299	0.4358	1.4700e-003	0.1859	8.4000e-004	0.1867	0.0497	7.7000e-004	0.0504	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836

## 3.13 Arch Coating (For Sale) - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8305	27.8305	1.5200e-003	0.0000	27.8684
Total	2.1407	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8305	27.8305	1.5200e-003	0.0000	27.8684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0200	0.0116	0.1741	6.0000e-004	0.0819	3.3000e-004	0.0822	0.0218	3.0000e-004	0.0221	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0200	0.0116	0.1741	6.0000e-004	0.0819	3.3000e-004	0.0822	0.0218	3.0000e-004	0.0221	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8304	27.8304	1.5200e-003	0.0000	27.8684
<b>Total</b>	<b>2.1407</b>	<b>0.1249</b>	<b>0.1972</b>	<b>3.2000e-004</b>		<b>5.6100e-003</b>	<b>5.6100e-003</b>		<b>5.6100e-003</b>	<b>5.6100e-003</b>	<b>0.0000</b>	<b>27.8304</b>	<b>27.8304</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>27.8684</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0200	0.0116	0.1741	6.0000e-004	0.0776	3.3000e-004	0.0780	0.0207	3.0000e-004	0.0210	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498
<b>Total</b>	<b>0.0200</b>	<b>0.0116</b>	<b>0.1741</b>	<b>6.0000e-004</b>	<b>0.0776</b>	<b>3.3000e-004</b>	<b>0.0780</b>	<b>0.0207</b>	<b>3.0000e-004</b>	<b>0.0210</b>	<b>0.0000</b>	<b>57.6178</b>	<b>57.6178</b>	<b>1.2100e-003</b>	<b>1.3500e-003</b>	<b>58.0498</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Unmitigated	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	1,345.50	1,345.50	1,345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3,214	3,214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2,982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1,929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		

### EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

### 4.3 Trip Type Information

#### 4.4 Fleet Mix

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

[illegible]

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Condo/Townhouse:	1.89856e+006	0.0102	0.0875	0.0372	5.6000e-004	7.0700e-003	7.0700e-003	7.0700e-003	7.0700e-003	0.0000	101.3143	101.3143	1.9400e-003	1.8600e-003	101.9164
Fast Food Restaurant w/o	2.48724e+006	0.0134	0.1219	0.1024	7.3000e-004	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	0.0000	132.7286	132.7286	2.5400e-003	2.4300e-003	133.5173
High Turnover (Sit Down Restaurant)	3.73086e+006	0.0201	0.1829	0.1536	1.1000e-003	0.0139	0.0139	0.0139	0.0139	0.0000	199.0929	199.0929	3.8200e-003	3.6500e-003	200.2760
Hotel	8.92602e+006	0.0481	0.4376	0.3675	2.6300e-003	0.0333	0.0333	0.0333	0.0333	0.0000	476.3267	476.3267	9.1300e-003	8.7300e-003	479.1573
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	379080	2.0400e-003	0.0186	0.0156	1.1000e-004	1.4100e-003	1.4100e-003	1.4100e-003	1.4100e-003	0.0000	20.2292	20.2292	3.9000e-004	3.7000e-004	20.3494
Single Family Housing	3.99443e+006	0.0215	0.1841	0.0783	1.1700e-003	0.0149	0.0149	0.0149	0.0149	0.0000	213.1581	213.1581	4.0900e-003	3.9100e-003	214.4247
<b>Total</b>		<b>0.1331</b>	<b>1.1831</b>	<b>0.8188</b>	<b>7.2600e-003</b>	<b>0.0920</b>	<b>0.0920</b>	<b>0.0920</b>	<b>0.0920</b>	<b>0.0000</b>	<b>1,317.2882</b>	<b>1,317.2882</b>	<b>0.0253</b>	<b>0.0242</b>	<b>1,325.1162</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.26886e+006	0.0176	0.1506	0.0641	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4386	174.4386	3.3400e-003	3.2000e-003	175.4752
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse:	1.89856e+006	0.0102	0.0875	0.0372	5.6000e-004	7.0700e-003	7.0700e-003	7.0700e-003	7.0700e-003	7.0700e-003	7.0700e-003	0.0000	101.3143	101.3143	1.9400e-003	1.8600e-003	101.9164
Fast Food Restaurant w/o Drive Thru	2.48724e+006	0.0134	0.1219	0.1024	7.3000e-004	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	9.2700e-003	0.0000	132.7286	132.7286	2.5400e-003	2.4300e-003	133.5173
High Turnover (Sit Down Restaurant)	3.73086e+006	0.0201	0.1829	0.1536	1.1000e-003	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0000	199.0929	199.0929	3.8200e-003	3.6500e-003	200.2760
Hotel	8.92602e+006	0.0481	0.4376	0.3675	2.6300e-003	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0000	476.3267	476.3267	9.1300e-003	8.7300e-003	479.1573
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	379080	2.0400e-003	0.0186	0.0156	1.1000e-004	1.4100e-003	1.4100e-003	1.4100e-003	1.4100e-003	1.4100e-003	1.4100e-003	0.0000	20.2292	20.2292	3.9000e-004	3.7000e-004	20.3494
Single Family Housing	3.99443e+006	0.0215	0.1841	0.0783	1.1700e-003	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0000	213.1581	213.1581	4.0900e-003	3.9100e-003	214.4247
Total		0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	1,317.2882	1,317.2882	0.0253	0.0242	1,325.1162

**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.50791e+006	139.5173	0.0226	2.7400e-003	140.8969
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse:	533332	49.3459	7.9800e-003	9.7000e-004	49.8338
Fast Food Restaurant w/o	386040	35.7179	5.7800e-003	7.0000e-004	36.0711
High Turnover (Sit Down Restaurant)	579060	53.5768	8.6700e-003	1.0500e-003	54.1066
Hotel	1.50427e+006	139.1809	0.0225	2.7300e-003	140.5572
Parking Lot	284480	26.3212	4.2600e-003	5.2000e-004	26.5814
Regional Shopping Center	1.68318e+006	155.7342	0.0252	3.0500e-003	157.2741
Single Family Housing	1.17498e+006	108.7139	0.0176	2.1300e-003	109.7889

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		708.1080	0.1146	0.0139	715.1099
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.50791e+006	139.5173	0.0226	2.7400e-003	140.8969
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	533332	49.3459	7.9800e-003	9.7000e-004	49.8338
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	386040	35.7179	5.7800e-003	7.0000e-004	36.0711
Hotel	579060	53.5768	8.6700e-003	1.0500e-003	54.1066
Parking Lot	1.50427e+006	139.1809	0.0225	2.7300e-003	140.5572
Regional Shopping Center	284480	26.3212	4.2600e-003	5.2000e-004	26.5814
Single Family Housing	1.68318e+006	155.7342	0.0252	3.0500e-003	157.2741
Total		708.1080	0.1146	0.0139	715.1099

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category tons/yr											MT/yr					
Mitigated	7.5542	0.1017	7.7176	6.0700e-003		0.4393	0.4393		0.4393	0.4393	41.8615	21.9704	63.8319	0.0803	2.5800e-003	66.6102
Unmitigated	7.5542	0.1017	7.7176	6.0700e-003		0.4393	0.4393		0.4393	0.4393	41.8615	21.9704	63.8319	0.0803	2.5800e-003	66.6102

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory tons/yr											MT/yr					
Architectural Coating	0.7651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.0378	0.0459	2.8742	5.8100e-003		0.4125	0.4125		0.4125	0.4125	41.8615	14.0444	55.9059	0.0727	2.5800e-003	58.4927
Landscaping	0.1468	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Total	7.5542	0.1017	7.7176	6.0700e-003		0.4393	0.4393		0.4393	0.4393	41.8615	21.9704	63.8319	0.0803	2.5800e-003	66.6102

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.0378	0.0459	2.8742	5.8100e-003		0.4125	0.4125		0.4125	0.4125	41.8615	14.0444	55.9059	0.0727	2.5800e-003	58.4927
Landscaping	0.1468	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Total	7.5542	0.1017	7.7176	6.0700e-003		0.4393	0.4393		0.4393	0.4393	41.8615	21.9704	63.8319	0.0803	2.5800e-003	66.6102

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.4017	1.7530	0.0420	111.7408
Unmitigated	67.1135	2.1909	0.0525	137.5163

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	25.4101 / 16.0194	25.9705	0.8309	0.0199	52.6734
City Park	0 / 2.9787	0.9646	1.6000e- 004	2.0000e- 005	0.9741
Condo/Townhouse	7.16694 / 4.51829	7.3250	0.2344	5.6100e- 003	14.8566
Fast Food Restaurant w/o	3.6424 / 0.232494	3.0544	0.1190	2.8400e- 003	6.8755
High Turnover (Sit Down Restaurant)	5.46361 / 0.348741	4.5816	0.1785	4.2600e- 003	10.3133
Hotel	3.55135 / 0.394594	3.0324	0.1160	2.7700e- 003	6.7586
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	11.9997 / 7.35468	12.1963	0.3924	9.4000e- 003	24.8059

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Single Family Housing	9.7731 / 6.1613	9.9887	0.3196	7.6500e-003	20.2590
Total		67.1135	2.1908	0.0525	137.5163

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
Apartment Mid Rise	20.3281 / 15.0422	21.4975	0.6648	0.0159	42.8669
City Park	0 / 2.797	0.9058	1.5000e-004	2.0000e-005	0.9147
Condo/Townhouse	5.73355 / 4.24267	6.0634	0.1875	4.4900e-003	12.0907
Fast Food Restaurant w/o	2.91392 / 0.218312	2.4540	0.0952	2.2700e-003	5.5110
High Turnover (Sit Down Restaurant)	4.37089 / 0.327468	3.6810	0.1428	3.4100e-003	8.2665
Hotel	2.84108 / 0.370524	2.4437	0.0928	2.2200e-003	5.4248
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.5998 / 6.90605	10.0881	0.3140	7.5200e-003	20.1790
Single Family Housing	7.81848 / 5.78547	8.2683	0.2557	6.1300e-003	16.4873
Total		55.4017	1.7530	0.0420	111.7408

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	102.4668	6.0556	0.0000	253.8571
Unmitigated	204.9336	12.1112	0.0000	507.7143

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartment Mid Rise	179.4	36.4166	2.1522	0.0000	90.2205
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	50.6	10.2713	0.6070	0.0000	25.4468

## SCS Dublin - Unmitigated Construction - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Restaurant w/o Fast Food	138.23	28.0594	1.6583	0.0000	69.5161
High Turnover (Sit: Down Restaurant):	214.2	43.4807	2.5696	0.0000	107.7215
Hotel	76.65	15.5593	0.9195	0.0000	38.5474
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	170.1	34.5288	2.0406	0.0000	85.5436
Single Family Housing	180.18	36.5749	2.1615	0.0000	90.6126
<b>Total</b>		<b>204.9336</b>	<b>12.1112</b>	<b>0.0000</b>	<b>507.7143</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	89.7	18.2083	1.0761	0.0000	45.1103
City Park	0.105	0.0213	1.2600e-003	0.0000	0.0528
Condo/Townhouse	25.3	5.1357	0.3035	0.0000	12.7234
Fast Food Restaurant w/o	69.115	14.0297	0.8291	0.0000	34.7580
High Turnover (Sit: Down Restaurant):	107.1	21.7403	1.2848	0.0000	53.8608
Hotel	38.325	7.7796	0.4598	0.0000	19.2737
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	85.05	17.2644	1.0203	0.0000	42.7718
Single Family Housing	90.09	18.2875	1.0808	0.0000	45.3064
<b>Total</b>		<b>102.4668</b>	<b>6.0556</b>	<b>0.0000</b>	<b>253.8571</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**



## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Mitigated Construction  
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## 1.0 Project Characteristics

## 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

## 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

## 1.3 User Entered Comments &amp; Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per construction timeline

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Off-road Equipment - Equipment increased due to size

Trips and VMT -

Demolition -

Grading -

Architectural Coating - compliance with BAAQMD Regulation 8, Rule 3; Architectural Coatings

Vehicle Trips - per trip gen table

Woodstoves - BAAQMD rule compliance

Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance

Water Mitigation -

Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	100.00

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	20.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00
tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblFireplaces	NumberGas	58.50	0.00
tblFireplaces	NumberGas	16.50	0.00
tblFireplaces	NumberGas	37.50	0.00
tblFireplaces	NumberWood	66.30	0.00
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
			2.00

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
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tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
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## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44
tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20
tblWoodstoves	NumberCatalytic	7.80	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberCatalytic	6.00	0.00
tblWoodstoves	NumberNoncatalytic	7.80	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	6.00	0.00

## 2.0 Emissions Summary

## 2.1 Overall Construction

## Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.0734	21.1256	15.7551	0.0358	10.1768	0.9080	11.0848	3.7172	0.8384	4.5556	0.0000	3,159.3618	3,159.3618	0.9207	0.0211	3,188.6757
2024	5.2238	41.2335	43.5436	0.1061	13.8260	1.6719	15.4978	4.9429	1.5515	6.4943	0.0000	9,549.4281	9,549.4281	1.8245	0.3019	9,685.0158
2025	6.6472	34.7724	46.0551	0.1155	10.1147	1.3029	11.4176	2.8350	1.2141	4.0490	0.0000	10,485.8734	10,485.8734	1.6736	0.3953	10,645.5207
2026	4.8619	19.2503	28.3819	0.0752	3.6982	0.6721	4.3703	0.9990	0.6310	1.6300	0.0000	6,907.0029	6,907.0029	0.7853	0.3281	7,024.4180
2027	2.6172	6.6027	9.4544	0.0288	1.7269	0.2037	1.9306	0.4665	0.1925	0.6590	0.0000	2,678.9379	2,678.9379	0.2164	0.1498	2,728.9895
2028	1.0187	2.2270	3.1874	9.6700e-003	0.5937	0.0692	0.6629	0.1603	0.0654	0.2257	0.0000	900.5474	900.5474	0.0723	0.0492	917.0077
Maximum	6.6472	41.2335	46.0551	0.1155	13.8260	1.6719	15.4978	4.9429	1.5515	6.4943	0.0000	10,485.8734	10,485.8734	1.8245	0.3953	10,645.5207

## Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4620	2.1536	18.4310	0.0358	4.4212	0.0608	4.4820	1.6082	0.0607	1.6689	0.0000	3,159.3583	3,159.3583	0.9207	0.0211	3,188.6722
2024	2.4135	8.8260	48.9664	0.1061	7.4626	0.1771	7.6398	2.5363	0.1751	2.7114	0.0000	9,549.4209	9,549.4209	1.8245	0.3019	9,685.0086
2025	4.4857	10.2447	51.7157	0.1155	6.5449	0.1858	6.7307	1.8171	0.1831	2.0002	0.0000	10,485.8666	10,485.8666	1.6736	0.3953	10,645.5139

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2026	3.8044	7.4647	30.6705	0.0752	3.5128	0.1205	3.6333	0.9534	0.1182	1.0717	0.0000	6,906.9995	6,906.9995	0.7853	0.3281	7,024.4146
2027	2.2988	3.1109	9.9594	0.0288	1.6403	0.0450	1.6853	0.4452	0.0440	0.4892	0.0000	2,678.9369	2,678.9369	0.2164	0.1498	2,728.9885
2028	0.9092	1.0374	3.3568	9.6700e-003	0.5639	0.0151	0.5790	0.1530	0.0147	0.1677	0.0000	900.5470	900.5470	0.0723	0.0492	917.0073
Maximum	4.4857	10.2447	51.7157	0.1155	7.4626	0.1858	7.6398	2.5363	0.1831	2.7114	0.0000	10,485.8666	10,485.8666	1.8245	0.3953	10,645.5139

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	35.95	73.77	-11.42	0.00	39.84	87.48	44.96	42.74	86.74	53.96	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2023	7-2-2023	7.3816	0.7972
2	7-3-2023	10-2-2023	7.4744	0.8084
3	10-3-2023	1-2-2024	8.5651	1.0470
4	1-3-2024	4-2-2024	10.2501	1.8203
5	4-3-2024	7-2-2024	11.2513	2.2828
6	7-3-2024	10-2-2024	12.6115	3.2267
7	10-3-2024	1-2-2025	12.2595	3.9345
8	1-3-2025	4-2-2025	11.0200	3.7971
9	4-3-2025	7-2-2025	11.0325	3.7293
10	7-3-2025	10-2-2025	11.1562	3.7728
11	10-3-2025	1-2-2026	8.0906	3.4267
12	1-3-2026	4-2-2026	7.8380	3.3104
13	4-3-2026	7-2-2026	6.9631	3.1023
14	7-3-2026	10-2-2026	5.5882	2.7355
15	10-3-2026	1-2-2027	3.6383	2.0975
16	1-3-2027	4-2-2027	3.3391	1.8889
17	4-3-2027	7-2-2027	1.9296	1.1549
18	7-3-2027	10-2-2027	1.9516	1.1684
19	10-3-2027	1-2-2028	1.9853	1.2021
20	1-3-2028	4-2-2028	1.9536	1.1789
21	4-3-2028	7-2-2028	1.2664	0.7556
		Highest	12.6115	3.9345

## 2.2 Overall Operational

## Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Energy	0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	2,025.3962	2,025.3962	0.1398	0.0380	2,040.2261
Mobile	4.1086	5.3899	40.5492	0.0824	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Waste						0.0000	0.0000		0.0000	0.0000	204.9336	0.0000	204.9336	12.1112	0.0000	507.7143
Water						0.0000	0.0000		0.0000	0.0000	21.2583	45.8552	67.1135	2.1909	0.0525	137.5163
Total	9.7581	6.6287	46.2115	0.0999	10.9579	0.1849	11.1428	2.9277	0.1804	3.1081	226.1919	10,990.3648	11,216.5567	14.9502	0.5227	11,746.0603

## Mitigated Operational

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category		tons/yr										MT/yr					
Area		5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Energy		0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	2,025.3962	2,025.3962	0.1398	0.0380	2,040.2261
Mobile		4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Waste							0.0000	0.0000		0.0000	0.0000	102.4668	0.0000	102.4668	6.0556	0.0000	253.8571
Water							0.0000	0.0000		0.0000	0.0000	17.0066	38.3950	55.4017	1.7530	0.0420	111.7408
Total		9.7581	6.6287	46.2115	0.0999	10.9579	0.1849	11.1428	2.9277	0.1804	3.1081	119.4734	10,982.9046	11,102.3780	8.4566	0.5122	11,466.4277

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.18	0.07	1.02	43.43	2.00	2.38

## 3.0 Construction Detail

## Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction (Commercial)	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	
10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393	

Acres of Grading (Site Preparation Phase): 1176

Acres of Grading (Grading Phase): 6550

Acres of Paving: 18.29

Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20
Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure (Trenching)	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Commercial)	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Apartment)	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (For Sale)	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (Commercial)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (Apartment)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

## 3.2 Demolition - 2023

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fugitive Dust					0.0682	0.0000	0.0682	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4425	4.1895	3.8305	7.5700e-003		0.1945	0.1945		0.1810	0.1810	0.0000	662.8453	662.8453	0.1856	0.0000	667.4862
Total	0.4425	4.1895	3.8305	7.5700e-003	0.0682	0.1945	0.2627	0.0103	0.1810	0.1913	0.0000	662.8453	662.8453	0.1856	0.0000	667.4862

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0414	9.4000e-003	1.9000e-004	5.3400e-003	3.5000e-004	5.6900e-003	1.4700e-003	3.4000e-004	1.8100e-003	0.0000	18.3620	18.3620	3.9000e-004	2.9000e-003	19.2363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6500e-003	5.2500e-003	0.0652	2.0000e-004	0.0231	1.2000e-004	0.0233	6.1500e-003	1.1000e-004	6.2600e-003	0.0000	18.2332	18.2332	5.4000e-004	5.1000e-004	18.3974
Total	8.3000e-003	0.0467	0.0746	3.9000e-004	0.0285	4.7000e-004	0.0289	7.6200e-003	4.5000e-004	8.0700e-003	0.0000	36.5953	36.5953	9.3000e-004	3.4100e-003	37.6337

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0292	0.0000	0.0292	4.4100e-003	0.0000	4.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0902	0.3906	4.5396	7.5700e-003		0.0120	0.0120		0.0120	0.0120	0.0000	662.8445	662.8445	0.1856	0.0000	667.4854
Total	0.0902	0.3906	4.5396	7.5700e-003	0.0292	0.0120	0.0412	4.4100e-003	0.0120	0.0164	0.0000	662.8445	662.8445	0.1856	0.0000	667.4854

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0414	9.4000e-003	1.9000e-004	5.1000e-003	3.5000e-004	5.4500e-003	1.4100e-003	3.4000e-004	1.7500e-003	0.0000	18.3620	18.3620	3.9000e-004	2.9000e-003	19.2363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6500e-003	5.2500e-003	0.0652	2.0000e-004	0.0219	1.2000e-004	0.0221	5.8600e-003	1.1000e-004	5.9700e-003	0.0000	18.2332	18.2332	5.4000e-004	5.1000e-004	18.3974
Total	8.3000e-003	0.0467	0.0746	3.9000e-004	0.0270	4.7000e-004	0.0275	7.2700e-003	4.5000e-004	7.7200e-003	0.0000	36.5953	36.5953	9.3000e-004	3.4100e-003	37.6337

## 3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0388	0.0000	0.0388	5.8800e-003	0.0000	5.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.2491	2.3175	2.1875	4.3100e-003		0.1066	0.1066		0.0990	0.0990	0.0000	377.3561	377.3561	0.1056	0.0000	379.9956
<b>Total</b>	<b>0.2491</b>	<b>2.3175</b>	<b>2.1875</b>	<b>4.3100e-003</b>	<b>0.0388</b>	<b>0.1066</b>	<b>0.1454</b>	<b>5.8800e-003</b>	<b>0.0990</b>	<b>0.1049</b>	<b>0.0000</b>	<b>377.3561</b>	<b>377.3561</b>	<b>0.1056</b>	<b>0.0000</b>	<b>379.9956</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0237	5.3700e-003	1.1000e-004	3.0400e-003	2.0000e-004	3.2400e-003	8.4000e-004	1.9000e-004	1.0300e-003	0.0000	10.2991	10.2991	2.2000e-004	1.6300e-003	10.7896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0700e-003	2.6700e-003	0.0347	1.1000e-004	0.0132	7.0000e-005	0.0132	3.5000e-003	6.0000e-005	3.5600e-003	0.0000	10.1230	10.1230	2.8000e-004	2.7000e-004	10.2099
<b>Total</b>	<b>4.4400e-003</b>	<b>0.0263</b>	<b>0.0400</b>	<b>2.2000e-004</b>	<b>0.0162</b>	<b>2.7000e-004</b>	<b>0.0165</b>	<b>4.3400e-003</b>	<b>2.5000e-004</b>	<b>4.5900e-003</b>	<b>0.0000</b>	<b>20.4220</b>	<b>20.4220</b>	<b>5.0000e-004</b>	<b>1.9000e-003</b>	<b>20.9995</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0166	0.0000	0.0166	2.5100e-003	0.0000	2.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0513	0.2224	2.5841	4.3100e-003		6.8400e-003	6.8400e-003		6.8400e-003	6.8400e-003	0.0000	377.3557	377.3557	0.1056	0.0000	379.9951
<b>Total</b>	<b>0.0513</b>	<b>0.2224</b>	<b>2.5841</b>	<b>4.3100e-003</b>	<b>0.0166</b>	<b>6.8400e-003</b>	<b>0.0234</b>	<b>2.5100e-003</b>	<b>6.8400e-003</b>	<b>9.3500e-003</b>	<b>0.0000</b>	<b>377.3557</b>	<b>377.3557</b>	<b>0.1056</b>	<b>0.0000</b>	<b>379.9951</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0237	5.3700e-003	1.1000e-004	2.9000e-003	2.0000e-004	3.1100e-003	8.0000e-004	1.9000e-004	1.0000e-003	0.0000	10.2991	10.2991	2.2000e-004	1.6300e-003	10.7896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0700e-003	2.6700e-003	0.0347	1.1000e-004	0.0125	7.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3900e-003	0.0000	10.1230	10.1230	2.8000e-004	2.7000e-004	10.2099
<b>Total</b>	<b>4.4400e-003</b>	<b>0.0263</b>	<b>0.0400</b>	<b>2.2000e-004</b>	<b>0.0154</b>	<b>2.7000e-004</b>	<b>0.0157</b>	<b>4.1300e-003</b>	<b>2.5000e-004</b>	<b>4.3900e-003</b>	<b>0.0000</b>	<b>20.4220</b>	<b>20.4220</b>	<b>5.0000e-004</b>	<b>1.9000e-003</b>	<b>20.9995</b>

## 3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1465	0.0000	4.1465	2.0038	0.0000	2.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5186	5.3672	3.5576	7.4200e-003		0.2469	0.2469		0.2271	0.2271	0.0000	652.2886	652.2886	0.2110	0.0000	657.5627

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.5186	5.3672	3.5576	7.4200e-003	4.1465	0.2469	4.3934	2.0038	0.2271	2.2309	0.0000	652.2886	652.2886	0.2110	0.0000	657.5627
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0270	1.4000e-004	0.0271	7.1800e-003	1.3000e-004	7.3100e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636
Total	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0270	1.4000e-004	0.0271	7.1800e-003	1.3000e-004	7.3100e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7726	0.0000	1.7726	0.8566	0.0000	0.8566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0908	0.3934	4.0695	7.4200e-003		0.0121	0.0121		0.0121	0.0121	0.0000	652.2878	652.2878	0.2110	0.0000	657.5619
Total	0.0908	0.3934	4.0695	7.4200e-003	1.7726	0.0121	1.7847	0.8566	0.0121	0.8687	0.0000	652.2878	652.2878	0.2110	0.0000	657.5619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0256	1.4000e-004	0.0257	6.8300e-003	1.3000e-004	6.9600e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636
Total	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0256	1.4000e-004	0.0257	6.8300e-003	1.3000e-004	6.9600e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636

## 3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1826	0.0000	4.1826	2.0237	0.0000	2.0237	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5242	5.3537	3.6121	7.5000e-003		0.2422	0.2422		0.2228	0.2228	0.0000	659.1042	659.1042	0.2132	0.0000	664.4333
Total	0.5242	5.3537	3.6121	7.5000e-003	4.1826	0.2422	4.4248	2.0237	0.2228	2.2465	0.0000	659.1042	659.1042	0.2132	0.0000	664.4333

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4300e-003	5.5200e-003	0.0718	2.2000e-004	0.0273	1.4000e-004	0.0274	7.2500e-003	1.2000e-004	7.3800e-003	0.0000	20.9603	20.9603	5.7000e-004	5.6000e-004	21.1404
<b>Total</b>	<b>8.4300e-003</b>	<b>5.5200e-003</b>	<b>0.0718</b>	<b>2.2000e-004</b>	<b>0.0273</b>	<b>1.4000e-004</b>	<b>0.0274</b>	<b>7.2500e-003</b>	<b>1.2000e-004</b>	<b>7.3800e-003</b>	<b>0.0000</b>	<b>20.9603</b>	<b>20.9603</b>	<b>5.7000e-004</b>	<b>5.6000e-004</b>	<b>21.1404</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7881	0.0000	1.7881	0.8651	0.0000	0.8651	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0917	0.3974	4.1112	7.5000e-003		0.0122	0.0122		0.0122	0.0122	0.0000	659.1034	659.1034	0.2132	0.0000	664.4326
<b>Total</b>	<b>0.0917</b>	<b>0.3974</b>	<b>4.1112</b>	<b>7.5000e-003</b>	<b>1.7881</b>	<b>0.0122</b>	<b>1.8003</b>	<b>0.8651</b>	<b>0.0122</b>	<b>0.8774</b>	<b>0.0000</b>	<b>659.1034</b>	<b>659.1034</b>	<b>0.2132</b>	<b>0.0000</b>	<b>664.4326</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4300e-003	5.5200e-003	0.0718	2.2000e-004	0.0259	1.4000e-004	0.0260	6.9000e-003	1.2000e-004	7.0300e-003	0.0000	20.9603	20.9603	5.7000e-004	5.6000e-004	21.1404
<b>Total</b>	<b>8.4300e-003</b>	<b>5.5200e-003</b>	<b>0.0718</b>	<b>2.2000e-004</b>	<b>0.0259</b>	<b>1.4000e-004</b>	<b>0.0260</b>	<b>6.9000e-003</b>	<b>1.2000e-004</b>	<b>7.0300e-003</b>	<b>0.0000</b>	<b>20.9603</b>	<b>20.9603</b>	<b>5.7000e-004</b>	<b>5.6000e-004</b>	<b>21.1404</b>

**3.4 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8270	0.0000	5.8270	1.6668	0.0000	1.6668	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9727	10.3410	6.9672	0.0170		0.4183	0.4183		0.3848	0.3848	0.0000	1,494.6999	1,494.6999	0.4834	0.0000	1,506.7853
<b>Total</b>	<b>0.9727</b>	<b>10.3410</b>	<b>6.9672</b>	<b>0.0170</b>	<b>5.8270</b>	<b>0.4183</b>	<b>6.2453</b>	<b>1.6668</b>	<b>0.3848</b>	<b>2.0517</b>	<b>0.0000</b>	<b>1,494.6999</b>	<b>1,494.6999</b>	<b>0.4834</b>	<b>0.0000</b>	<b>1,506.7853</b>

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.2288	0.0519	1.0400e-003	0.0295	1.9500e-003	0.0315	8.1200e-003	1.8700e-003	9.9900e-003	0.0000	101.4823	101.4823	2.1500e-003	0.0160	106.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1087	3.3000e-004	0.0386	2.0000e-004	0.0388	0.0103	1.8000e-004	0.0104	0.0000	30.3887	30.3887	8.9000e-004	8.4000e-004	30.6624
<b>Total</b>	<b>0.0164</b>	<b>0.2376</b>	<b>0.1606</b>	<b>1.3700e-003</b>	<b>0.0681</b>	<b>2.1500e-003</b>	<b>0.0702</b>	<b>0.0184</b>	<b>2.0500e-003</b>	<b>0.0204</b>	<b>0.0000</b>	<b>131.8710</b>	<b>131.8710</b>	<b>3.0400e-003</b>	<b>0.0169</b>	<b>136.9764</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4911	0.0000	2.4911	0.7126	0.0000	0.7126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2087	0.9042	8.3313	0.0170		0.0278	0.0278		0.0278	0.0278	0.0000	1,494.6981	1,494.6981	0.4834	0.0000	1,506.7835
<b>Total</b>	<b>0.2087</b>	<b>0.9042</b>	<b>8.3313</b>	<b>0.0170</b>	<b>2.4911</b>	<b>0.0278</b>	<b>2.5189</b>	<b>0.7126</b>	<b>0.0278</b>	<b>0.7404</b>	<b>0.0000</b>	<b>1,494.6981</b>	<b>1,494.6981</b>	<b>0.4834</b>	<b>0.0000</b>	<b>1,506.7835</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.2288	0.0519	1.0400e-003	0.0282	1.9500e-003	0.0301	7.8000e-003	1.8700e-003	9.6600e-003	0.0000	101.4823	101.4823	2.1500e-003	0.0160	106.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1087	3.3000e-004	0.0366	2.0000e-004	0.0368	9.7600e-003	1.8000e-004	9.9500e-003	0.0000	30.3887	30.3887	8.9000e-004	8.4000e-004	30.6624
<b>Total</b>	<b>0.0164</b>	<b>0.2376</b>	<b>0.1606</b>	<b>1.3700e-003</b>	<b>0.0647</b>	<b>2.1500e-003</b>	<b>0.0669</b>	<b>0.0176</b>	<b>2.0500e-003</b>	<b>0.0196</b>	<b>0.0000</b>	<b>131.8710</b>	<b>131.8710</b>	<b>3.0400e-003</b>	<b>0.0169</b>	<b>136.9764</b>

**3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6340	0.0000	6.6340	2.1104	0.0000	2.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2701	13.0877	9.2256	0.0229		0.5309	0.5309		0.4884	0.4884	0.0000	2,007.4822	2,007.4822	0.6493	0.0000	2,023.7137
<b>Total</b>	<b>1.2701</b>	<b>13.0877</b>	<b>9.2256</b>	<b>0.0229</b>	<b>6.6340</b>	<b>0.5309</b>	<b>7.1649</b>	<b>2.1104</b>	<b>0.4884</b>	<b>2.5988</b>	<b>0.0000</b>	<b>2,007.4822</b>	<b>2,007.4822</b>	<b>0.6493</b>	<b>0.0000</b>	<b>2,023.7137</b>

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.3088	0.0701	1.3700e-003	0.0397	2.6400e-003	0.0423	0.0109	2.5300e-003	0.0134	0.0000	134.3524	134.3524	2.9100e-003	0.0212	140.7516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0105	0.1364	4.3000e-004	0.0518	2.6000e-004	0.0521	0.0138	2.4000e-004	0.0140	0.0000	39.8231	39.8231	1.0900e-003	1.0600e-003	40.1652
<b>Total</b>	<b>0.0208</b>	<b>0.3193</b>	<b>0.2065</b>	<b>1.8000e-003</b>	<b>0.0914</b>	<b>2.9000e-003</b>	<b>0.0944</b>	<b>0.0247</b>	<b>2.7700e-003</b>	<b>0.0275</b>	<b>0.0000</b>	<b>174.1755</b>	<b>174.1755</b>	<b>4.0000e-003</b>	<b>0.0223</b>	<b>180.9168</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8360	0.0000	2.8360	0.9022	0.0000	0.9022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2804	1.2149	11.1939	0.0229		0.0374	0.0374		0.0374	0.0374	0.0000	2,007.4798	2,007.4798	0.6493	0.0000	2,023.7113
<b>Total</b>	<b>0.2804</b>	<b>1.2149</b>	<b>11.1939</b>	<b>0.0229</b>	<b>2.8360</b>	<b>0.0374</b>	<b>2.8734</b>	<b>0.9022</b>	<b>0.0374</b>	<b>0.9396</b>	<b>0.0000</b>	<b>2,007.4798</b>	<b>2,007.4798</b>	<b>0.6493</b>	<b>0.0000</b>	<b>2,023.7113</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.3088	0.0701	1.3700e-003	0.0379	2.6400e-003	0.0405	0.0105	2.5300e-003	0.0130	0.0000	134.3524	134.3524	2.9100e-003	0.0212	140.7516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0105	0.1364	4.3000e-004	0.0491	2.6000e-004	0.0494	0.0131	2.4000e-004	0.0134	0.0000	39.8231	39.8231	1.0900e-003	1.0600e-003	40.1652
<b>Total</b>	<b>0.0208</b>	<b>0.3193</b>	<b>0.2065</b>	<b>1.8000e-003</b>	<b>0.0870</b>	<b>2.9000e-003</b>	<b>0.0899</b>	<b>0.0236</b>	<b>2.7700e-003</b>	<b>0.0264</b>	<b>0.0000</b>	<b>174.1755</b>	<b>174.1755</b>	<b>4.0000e-003</b>	<b>0.0223</b>	<b>180.9168</b>

**3.4 Grading - 2025**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8632	0.0000	5.8632	1.6867	0.0000	1.6867	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8643	8.5496	6.5427	0.0173		0.3412	0.3412		0.3139	0.3139	0.0000	1,516.6056	1,516.6056	0.4905	0.0000	1,528.8681
<b>Total</b>	<b>0.8643</b>	<b>8.5496</b>	<b>6.5427</b>	<b>0.0173</b>	<b>5.8632</b>	<b>0.3412</b>	<b>6.2044</b>	<b>1.6867</b>	<b>0.3139</b>	<b>2.0006</b>	<b>0.0000</b>	<b>1,516.6056</b>	<b>1,516.6056</b>	<b>0.4905</b>	<b>0.0000</b>	<b>1,528.8681</b>

Unmitigated Construction Off-Site

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.2326	0.0530	1.0200e-003	0.0300	2.0000e-003	0.0320	8.2500e-003	1.9100e-003	0.0102	0.0000	99.6690	99.6690	2.2100e-003	0.0158	104.4183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0114	7.1500e-003	0.0968	3.1000e-004	0.0391	1.9000e-004	0.0393	0.0104	1.7000e-004	0.0106	0.0000	29.3747	29.3747	7.5000e-004	7.5000e-004	29.6165
Total	0.0150	0.2397	0.1498	1.3300e-003	0.0691	2.1900e-003	0.0713	0.0187	2.0800e-003	0.0207	0.0000	129.0437	129.0437	2.9600e-003	0.0165	134.0348

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.5065	0.0000	2.5065	0.7211	0.0000	0.7211	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2119	0.9182	8.4595	0.0173		0.0283	0.0283		0.0283	0.0283	0.0000	1,516.6038	1,516.6038	0.4905	0.0000	1,528.8663
<b>Total</b>	<b>0.2119</b>	<b>0.9182</b>	<b>8.4595</b>	<b>0.0173</b>	<b>2.5065</b>	<b>0.0283</b>	<b>2.5348</b>	<b>0.7211</b>	<b>0.0283</b>	<b>0.7493</b>	<b>0.0000</b>	<b>1,516.6038</b>	<b>1,516.6038</b>	<b>0.4905</b>	<b>0.0000</b>	<b>1,528.8663</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.2326	0.0530	1.0200e-003	0.0286	2.0000e-003	0.0306	7.9200e-003	1.9100e-003	9.8300e-003	0.0000	99.6690	99.6690	2.2100e-003	0.0158	104.4183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0114	7.1500e-003	0.0968	3.1000e-004	0.0371	1.9000e-004	0.0373	8.9100e-003	1.7000e-004	0.0101	0.0000	29.3747	29.3747	7.5000e-004	7.5000e-004	29.6165
Total	0.0150	0.2397	0.1498	1.3300e-003	0.0657	2.1900e-003	0.0679	0.0178	2.0800e-003	0.0199	0.0000	129.0437	129.0437	2.9600e-003	0.0165	134.0348

### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6731	150.6731	0.0358	0.0000	151.5692
Total	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6731	150.6731	0.0358	0.0000	151.5692

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0116	6.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1300e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987
Total	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0116	6.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1300e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0350	0.1723	1.1467	1.7500e-003		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	150.6729	150.6729	0.0358	0.0000	151.5690
<b>Total</b>	<b>0.0350</b>	<b>0.1723</b>	<b>1.1467</b>	<b>1.7500e-003</b>		<b>6.0400e-003</b>	<b>6.0400e-003</b>		<b>6.0400e-003</b>	<b>6.0400e-003</b>	<b>0.0000</b>	<b>150.6729</b>	<b>150.6729</b>	<b>0.0358</b>	<b>0.0000</b>	<b>151.5690</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0110	6.0000e-005	0.0110	2.9300e-003	6.0000e-005	2.9800e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987
<b>Total</b>	<b>3.8300e-003</b>	<b>2.6200e-003</b>	<b>0.0326</b>	<b>1.0000e-004</b>	<b>0.0110</b>	<b>6.0000e-005</b>	<b>0.0110</b>	<b>2.9300e-003</b>	<b>6.0000e-005</b>	<b>2.9800e-003</b>	<b>0.0000</b>	<b>9.1166</b>	<b>9.1166</b>	<b>2.7000e-004</b>	<b>2.5000e-004</b>	<b>9.1987</b>

## 3.5 Infrastructure (Trenching) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3856	3.5223	4.2357	7.0600e-003		0.1607	0.1607		0.1512	0.1512	0.0000	607.4447	607.4447	0.1436	0.0000	611.0357
<b>Total</b>	<b>0.3856</b>	<b>3.5223</b>	<b>4.2357</b>	<b>7.0600e-003</b>		<b>0.1607</b>	<b>0.1607</b>		<b>0.1512</b>	<b>0.1512</b>	<b>0.0000</b>	<b>607.4447</b>	<b>607.4447</b>	<b>0.1436</b>	<b>0.0000</b>	<b>611.0357</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	9.4500e-004	0.1228	3.8000e-004	0.0466	2.3000e-005	0.0468	0.0124	2.1000e-005	0.0126	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0144	9.4500e-003	0.1228	3.8000e-004	0.0466	2.3000e-004	0.0468	0.0124	2.1000e-004	0.0126	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1362	0.6842	4.6183	7.0600e-003		0.0224	0.0224		0.0224	0.0224	0.0000	607.4439	607.4439	0.1436	0.0000	611.0350
Total	0.1362	0.6842	4.6183	7.0600e-003		0.0224	0.0224		0.0224	0.0224	0.0000	607.4439	607.4439	0.1436	0.0000	611.0350

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	9.4500e-003	0.1228	3.8000e-004	0.0442	2.3000e-004	0.0444	0.0118	2.1000e-004	0.0120	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487
Total	0.0144	9.4500e-003	0.1228	3.8000e-004	0.0442	2.3000e-004	0.0444	0.0118	2.1000e-004	0.0120	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487

## 3.5 Infrastructure (Trenching) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
Total	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0135	8.4800e-003	0.1148	3.7000e-004	0.0464	2.2000e-004	0.0467	0.0124	2.0000e-004	0.0126	0.0000	34.8491	34.8491	8.9000e-004	8.9000e-004	35.1360
Total	0.0135	8.4800e-003	0.1148	3.7000e-004	0.0464	2.2000e-004	0.0467	0.0124	2.0000e-004	0.0126	0.0000	34.8491	34.8491	8.9000e-004	8.9000e-004	35.1360



## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.6715	4.5975	7.0400e-003		0.0206	0.0206		0.0206	0.0206	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.1315</b>	<b>0.6715</b>	<b>4.5975</b>	<b>7.0400e-003</b>		<b>0.0206</b>	<b>0.0206</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0135	8.4800e-003	0.1148	3.7000e-004	0.0440	2.2000e-004	0.0443	0.0118	2.0000e-004	0.0120	0.0000	34.8491	34.8491	8.9000e-004	8.9000e-004	35.1360
<b>Total</b>	<b>0.0135</b>	<b>8.4800e-003</b>	<b>0.1148</b>	<b>3.7000e-004</b>	<b>0.0440</b>	<b>2.2000e-004</b>	<b>0.0443</b>	<b>0.0118</b>	<b>2.0000e-004</b>	<b>0.0120</b>	<b>0.0000</b>	<b>34.8491</b>	<b>34.8491</b>	<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>35.1360</b>

## 3.5 Infrastructure (Trenching) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2379	2.1697	2.7987	4.6900e-003		0.0918	0.0918		0.0864	0.0864	0.0000	403.5399	403.5399	0.0949	0.0000	405.9113
<b>Total</b>	<b>0.2379</b>	<b>2.1697</b>	<b>2.7987</b>	<b>4.6900e-003</b>		<b>0.0918</b>	<b>0.0918</b>		<b>0.0864</b>	<b>0.0864</b>	<b>0.0000</b>	<b>403.5399</b>	<b>403.5399</b>	<b>0.0949</b>	<b>0.0000</b>	<b>405.9113</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0310	1.4000e-004	0.0311	8.2300e-003	1.3000e-004	8.3600e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808
<b>Total</b>	<b>8.4800e-003</b>	<b>5.1500e-003</b>	<b>0.0724</b>	<b>2.4000e-004</b>	<b>0.0310</b>	<b>1.4000e-004</b>	<b>0.0311</b>	<b>8.2300e-003</b>	<b>1.3000e-004</b>	<b>8.3600e-003</b>	<b>0.0000</b>	<b>22.7005</b>	<b>22.7005</b>	<b>5.4000e-004</b>	<b>5.6000e-004</b>	<b>22.8808</b>

Mitigated Construction On-Site

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Off-Road	0.0877	0.4477	3.0650	4.6900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	403.5394	403.5394	0.0949	0.0000	405.9109
Total	0.0877	0.4477	3.0650	4.6900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	403.5394	403.5394	0.0949	0.0000	405.9109

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0294	1.4000e-004	0.0295	7.8400e-003	1.3000e-004	7.9700e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808
Total	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0294	1.4000e-004	0.0295	7.8400e-003	1.3000e-004	7.9700e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808

## 3.6 Building Construction (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000	1,107.4829	1,107.4829	0.3108	0.0000	1,115.2535
Total	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000	1,107.4829	1,107.4829	0.3108	0.0000	1,115.2535

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0368	1.6389	0.4843	7.3400e-003	0.2453	9.9400e-003	0.2552	0.0710	9.5100e-003	0.0805	0.0000	711.0761	711.0761	9.8300e-003	0.1065	743.0706
Worker	0.3046	0.1996	2.5944	8.0900e-003	0.9850	4.8900e-003	0.9899	0.2620	4.5000e-003	0.2665	0.0000	757.4356	757.4356	0.0208	0.0201	763.9418
Total	0.3414	1.8385	3.0788	0.0154	1.2303	0.0148	1.2451	0.3330	0.0140	0.3470	0.0000	1,468.5117	1,468.5117	0.0306	0.1266	1,507.0124

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1788	0.8218	8.9318	0.0127		0.0259	0.0259		0.0259	0.0259	0.0000	1,107.4816	1,107.4816	0.3108	0.0000	1,115.2522
Total	0.1788	0.8218	8.9318	0.0127		0.0259	0.0259		0.0259	0.0259	0.0000	1,107.4816	1,107.4816	0.3108	0.0000	1,115.2522

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0368	1.6389	0.4843	7.3400e-003	0.2349	9.9400e-003	0.2449	0.0684	9.5100e-003	0.0779	0.0000	711.0761	711.0761	9.8300e-003	0.1065	743.0706
Worker	0.3046	0.1996	2.5944	8.0900e-003	0.9340	4.8900e-003	0.9389	0.2495	4.5000e-003	0.2540	0.0000	757.4356	757.4356	0.0208	0.0201	763.9418
<b>Total</b>	<b>0.3414</b>	<b>1.8385</b>	<b>3.0788</b>	<b>0.0154</b>	<b>1.1689</b>	<b>0.0148</b>	<b>1.1837</b>	<b>0.3179</b>	<b>0.0140</b>	<b>0.3319</b>	<b>0.0000</b>	<b>1,468.5117</b>	<b>1,468.5117</b>	<b>0.0306</b>	<b>0.1266</b>	<b>1,507.0124</b>

**3.6 Building Construction (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5671	5.3193	7.7874	0.0127		0.2416	0.2416		0.2247	0.2247	0.0000	1,103.2495	1,103.2495	0.3089	0.0000	1,110.9731
<b>Total</b>	<b>0.5671</b>	<b>5.3193</b>	<b>7.7874</b>	<b>0.0127</b>		<b>0.2416</b>	<b>0.2416</b>		<b>0.2247</b>	<b>0.2247</b>	<b>0.0000</b>	<b>1,103.2495</b>	<b>1,103.2495</b>	<b>0.3089</b>	<b>0.0000</b>	<b>1,110.9731</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1760	0.8136	8.8962	0.0127		0.0250	0.0250		0.0250	0.0250	0.0000	1,103.2482	1,103.2482	0.3089	0.0000	1,110.9718
<b>Total</b>	<b>0.1760</b>	<b>0.8136</b>	<b>8.8962</b>	<b>0.0127</b>		<b>0.0250</b>	<b>0.0250</b>		<b>0.0250</b>	<b>0.0250</b>	<b>0.0000</b>	<b>1,103.2482</b>	<b>1,103.2482</b>	<b>0.3089</b>	<b>0.0000</b>	<b>1,110.9718</b>

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

## 3.6 Building Construction (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3780	3.5462	5.1916	8.4400e-003		0.1611	0.1611		0.1498	0.1498	0.0000	735.4997	735.4997	0.2060	0.0000	740.6488
<b>Total</b>	<b>0.3780</b>	<b>3.5462</b>	<b>5.1916</b>	<b>8.4400e-003</b>		<b>0.1611</b>	<b>0.1611</b>		<b>0.1498</b>	<b>0.1498</b>	<b>0.0000</b>	<b>735.4997</b>	<b>735.4997</b>	<b>0.2060</b>	<b>0.0000</b>	<b>740.6488</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0235	1.0841	0.3122	4.7000e-003	0.1629	6.5800e-003	0.1695	0.0471	6.2900e-003	0.0534	0.0000	455.3221	455.3221	6.5300e-003	0.0683	475.8271
Worker	0.1792	0.1088	1.5294	5.0300e-003	0.6542	2.9600e-003	0.6571	0.1740	2.7300e-003	0.1768	0.0000	479.7363	479.7363	0.0115	0.0118	483.5471
<b>Total</b>	<b>0.2027</b>	<b>1.1929</b>	<b>1.8416</b>	<b>9.7300e-003</b>	<b>0.8171</b>	<b>9.5400e-003</b>	<b>0.8266</b>	<b>0.2211</b>	<b>9.0200e-003</b>	<b>0.2302</b>	<b>0.0000</b>	<b>935.0584</b>	<b>935.0584</b>	<b>0.0180</b>	<b>0.0801</b>	<b>959.3742</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1173	0.5424	5.9308	8.4400e-003		0.0167	0.0167		0.0167	0.0167	0.0000	735.4988	735.4988	0.2060	0.0000	740.6479
<b>Total</b>	<b>0.1173</b>	<b>0.5424</b>	<b>5.9308</b>	<b>8.4400e-003</b>		<b>0.0167</b>	<b>0.0167</b>		<b>0.0167</b>	<b>0.0167</b>	<b>0.0000</b>	<b>735.4988</b>	<b>735.4988</b>	<b>0.2060</b>	<b>0.0000</b>	<b>740.6479</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0235	1.0841	0.3122	4.7000e-003	0.1560	6.5800e-003	0.1626	0.0454	6.2900e-003	0.0517	0.0000	455.3221	455.3221	6.5300e-003	0.0683	475.8271
Worker	0.1792	0.1088	1.5294	5.0300e-003	0.6203	2.9600e-003	0.6232	0.1657	2.7300e-003	0.1684	0.0000	479.7363	479.7363	0.0115	0.0118	483.5471
<b>Total</b>	<b>0.2027</b>	<b>1.1929</b>	<b>1.8416</b>	<b>9.7300e-003</b>	<b>0.7763</b>	<b>9.5400e-003</b>	<b>0.7858</b>	<b>0.2111</b>	<b>9.0200e-003</b>	<b>0.2202</b>	<b>0.0000</b>	<b>935.0584</b>	<b>935.0584</b>	<b>0.0180</b>	<b>0.0801</b>	<b>959.3742</b>

## 3.7 Paving (Commercial) - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2046	1.8801	2.8763	4.5100e-003		0.0927	0.0927		0.0861	0.0861	0.0000	395.1462	395.1462	0.1159	0.0000	398.0428
Paving	7.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2123</b>	<b>1.8801</b>	<b>2.8763</b>	<b>4.5100e-003</b>		<b>0.0927</b>	<b>0.0927</b>		<b>0.0861</b>	<b>0.0861</b>	<b>0.0000</b>	<b>395.1462</b>	<b>395.1462</b>	<b>0.1159</b>	<b>0.0000</b>	<b>398.0428</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4900e-003	4.9100e-003	0.0638	2.0000e-004	0.0242	1.2000e-004	0.0243	6.4400e-003	1.1000e-004	6.5500e-003	0.0000	18.6196	18.6196	5.1000e-004	4.9000e-004	18.7795
<b>Total</b>	<b>7.4900e-003</b>	<b>4.9100e-003</b>	<b>0.0638</b>	<b>2.0000e-004</b>	<b>0.0242</b>	<b>1.2000e-004</b>	<b>0.0243</b>	<b>6.4400e-003</b>	<b>1.1000e-004</b>	<b>6.5500e-003</b>	<b>0.0000</b>	<b>18.6196</b>	<b>18.6196</b>	<b>5.1000e-004</b>	<b>4.9000e-004</b>	<b>18.7795</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0543	0.2352	3.3474	4.5100e-003		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003	0.0000	395.1458	395.1458	0.1159	0.0000	398.0424
Paving	7.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0620</b>	<b>0.2352</b>	<b>3.3474</b>	<b>4.5100e-003</b>		<b>7.2400e-003</b>	<b>7.2400e-003</b>		<b>7.2400e-003</b>	<b>7.2400e-003</b>	<b>0.0000</b>	<b>395.1458</b>	<b>395.1458</b>	<b>0.1159</b>	<b>0.0000</b>	<b>398.0424</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4900e-003	4.9100e-003	0.0638	2.0000e-004	0.0230	1.2000e-004	0.0231	6.1300e-003	1.1000e-004	6.2400e-003	0.0000	18.6196	18.6196	5.1000e-004	4.9000e-004	18.7795
Total	7.4900e-003	4.9100e-003	0.0638	2.0000e-004	0.0230	1.2000e-004	0.0231	6.1300e-003	1.1000e-004	6.2400e-003	0.0000	18.6196	18.6196	5.1000e-004	4.9000e-004	18.7795

## 3.7 Paving (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2835	2.5388	4.2770	6.7300e-003		0.1227	0.1227		0.1139	0.1139	0.0000	589.1425	589.1425	0.1726	0.0000	593.4581
Paving	0.0115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2950</b>	<b>2.5388</b>	<b>4.2770</b>	<b>6.7300e-003</b>		<b>0.1227</b>	<b>0.1227</b>		<b>0.1139</b>	<b>0.1139</b>	<b>0.0000</b>	<b>589.1425</b>	<b>589.1425</b>	<b>0.1726</b>	<b>0.0000</b>	<b>593.4581</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	6.6000e-003	0.0893	2.9000e-004	0.0361	1.7000e-004	0.0363	9.6100e-003	1.6000e-004	9.7600e-003	0.0000	27.1048	27.1048	6.9000e-004	6.9000e-004	27.3280
<b>Total</b>	<b>0.0105</b>	<b>6.6000e-003</b>	<b>0.0893</b>	<b>2.9000e-004</b>	<b>0.0361</b>	<b>1.7000e-004</b>	<b>0.0363</b>	<b>9.6100e-003</b>	<b>1.6000e-004</b>	<b>9.7600e-003</b>	<b>0.0000</b>	<b>27.1048</b>	<b>27.1048</b>	<b>6.9000e-004</b>	<b>6.9000e-004</b>	<b>27.3280</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0810	0.3508	4.9924	6.7300e-003		0.0108	0.0108		0.0108	0.0108	0.0000	589.1418	589.1418	0.1726	0.0000	593.4574
Paving	0.0115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0925</b>	<b>0.3508</b>	<b>4.9924</b>	<b>6.7300e-003</b>		<b>0.0108</b>	<b>0.0108</b>		<b>0.0108</b>	<b>0.0108</b>	<b>0.0000</b>	<b>589.1418</b>	<b>589.1418</b>	<b>0.1726</b>	<b>0.0000</b>	<b>593.4574</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	6.6000e-003	0.0893	2.9000e-004	0.0342	1.7000e-004	0.0344	9.1500e-003	1.6000e-004	9.3100e-003	0.0000	27.1048	27.1048	6.9000e-004	6.9000e-004	27.3280
Total	0.0105	6.6000e-003	0.0893	2.9000e-004	0.0342	1.7000e-004	0.0344	9.1500e-003	1.6000e-004	9.3100e-003	0.0000	27.1048	27.1048	6.9000e-004	6.9000e-004	27.3280

## 3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1173	1.0505	1.7698	2.7800e-003		0.0508	0.0508		0.0472	0.0472	0.0000	243.7831	243.7831	0.0714	0.0000	245.5689
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1221</b>	<b>1.0505</b>	<b>1.7698</b>	<b>2.7800e-003</b>		<b>0.0508</b>	<b>0.0508</b>		<b>0.0472</b>	<b>0.0472</b>	<b>0.0000</b>	<b>243.7831</b>	<b>243.7831</b>	<b>0.0714</b>	<b>0.0000</b>	<b>245.5689</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0149	7.0000e-005	0.0150	3.9800e-003	6.0000e-005	4.0400e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459
<b>Total</b>	<b>4.0900e-003</b>	<b>2.4900e-003</b>	<b>0.0349</b>	<b>1.2000e-004</b>	<b>0.0149</b>	<b>7.0000e-005</b>	<b>0.0150</b>	<b>3.9800e-003</b>	<b>6.0000e-005</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>10.9588</b>	<b>10.9588</b>	<b>2.6000e-004</b>	<b>2.7000e-004</b>	<b>11.0459</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0335	0.1452	2.0658	2.7800e-003		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	243.7828	243.7828	0.0714	0.0000	245.5686
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0383</b>	<b>0.1452</b>	<b>2.0658</b>	<b>2.7800e-003</b>		<b>4.4700e-003</b>	<b>4.4700e-003</b>		<b>4.4700e-003</b>	<b>4.4700e-003</b>	<b>0.0000</b>	<b>243.7828</b>	<b>243.7828</b>	<b>0.0714</b>	<b>0.0000</b>	<b>245.5686</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0142	7.0000e-005	0.0142	3.7900e-003	6.0000e-005	3.8500e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459
Total	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0142	7.0000e-005	0.0142	3.7900e-003	6.0000e-005	3.8500e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459

## 3.8 Building Construction (Apartment) - 2024

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940
Total	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1423	5.7700e-003	0.1481	0.0412	5.5200e-003	0.0467	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5715	2.8400e-003	0.5743	0.1520	2.6100e-003	0.1546	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
Total	0.1981	1.0666	1.7862	8.9600e-003	0.7138	8.6100e-003	0.7224	0.1932	8.1300e-003	0.2013	0.0000	851.9610	851.9610	0.0177	0.0735	874.2973

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0790	0.3969	2.6793	4.1000e-003		0.0130	0.0130		0.0130	0.0130	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936
Total	0.0790	0.3969	2.6793	4.1000e-003		0.0130	0.0130		0.0130	0.0130	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1363	5.7700e-003	0.1421	0.0397	5.5200e-003	0.0452	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5418	2.8400e-003	0.5447	0.1448	2.6100e-003	0.1474	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
Total	0.1981	1.0666	1.7862	8.9600e-003	0.6781	8.6100e-003	0.6867	0.1844	8.1300e-003	0.1926	0.0000	851.9610	851.9610	0.0177	0.0735	874.2973



## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

## 3.8 Building Construction (Apartment) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.6715	4.5975	7.0400e-003		0.0206	0.0206		0.0206	0.0206	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.1315</b>	<b>0.6715</b>	<b>4.5975</b>	<b>7.0400e-003</b>		<b>0.0206</b>	<b>0.0206</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

## 3.8 Building Construction (Apartment) - 2026

Unmitigated Construction On-Site

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2443	9.8700e-003	0.2542	0.0707	9.4400e-003	0.0801	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9813	4.4400e-003	0.9857	0.2610	4.0900e-003	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.2256</b>	<b>0.0143</b>	<b>1.2399</b>	<b>0.3317</b>	<b>0.0135</b>	<b>0.3452</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.6715	4.5975	7.0400e-003		0.0206	0.0206		0.0206	0.0206	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.1315</b>	<b>0.6715</b>	<b>4.5975</b>	<b>7.0400e-003</b>		<b>0.0206</b>	<b>0.0206</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2340	9.8700e-003	0.2439	0.0682	9.4400e-003	0.0776	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9304	4.4400e-003	0.9348	0.2486	4.0900e-003	0.2526	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.1644</b>	<b>0.0143</b>	<b>1.1787</b>	<b>0.3167</b>	<b>0.0135</b>	<b>0.3302</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

## 3.8 Building Construction (Apartment) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
											3000	150.7476	150.7476	0.0354	0.0000	151.6336

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0889	0.8105	1.0455	1.7500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	150.7476	150.7476	0.0354	0.0000	151.6336
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6300e-003	0.4031	0.1153	1.7200e-003	0.0609	2.4400e-003	0.0633	0.0176	2.3300e-003	0.0199	0.0000	166.6701	166.6701	2.4300e-003	0.0250	174.1789
Worker	0.0633	0.0373	0.5433	1.8300e-003	0.2444	1.0400e-003	0.2454	0.0650	9.6000e-004	0.0660	0.0000	175.3855	175.3855	3.9300e-003	4.2000e-003	176.7363
Total	0.0719	0.4404	0.6585	3.5500e-003	0.3052	3.4800e-003	0.3087	0.0826	3.2900e-003	0.0859	0.0000	342.0557	342.0557	6.3600e-003	0.0292	350.9152

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0328	0.1672	1.1450	1.7500e-003		5.1200e-003	5.1200e-003		5.1200e-003	5.1200e-003	0.0000	150.7475	150.7475	0.0354	0.0000	151.6334
Total	0.0328	0.1672	1.1450	1.7500e-003		5.1200e-003	5.1200e-003		5.1200e-003	5.1200e-003	0.0000	150.7475	150.7475	0.0354	0.0000	151.6334

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6300e-003	0.4031	0.1153	1.7200e-003	0.0583	2.4400e-003	0.0607	0.0170	2.3300e-003	0.0193	0.0000	166.6701	166.6701	2.4300e-003	0.0250	174.1789
Worker	0.0633	0.0373	0.5433	1.8300e-003	0.2317	1.0400e-003	0.2328	0.0619	9.6000e-004	0.0629	0.0000	175.3855	175.3855	3.9300e-003	4.2000e-003	176.7363
Total	0.0719	0.4404	0.6585	3.5500e-003	0.2900	3.4800e-003	0.2935	0.0789	3.2900e-003	0.0822	0.0000	342.0557	342.0557	6.3600e-003	0.0292	350.9152

## 3.9 Building Construction (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940
Total	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1423	5.7700e-003	0.1481	0.0412	5.5200e-003	0.0467	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5715	2.8400e-003	0.5743	0.1520	2.6100e-003	0.1546	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.7138</b>	<b>8.6100e-003</b>	<b>0.7224</b>	<b>0.1932</b>	<b>8.1300e-003</b>	<b>0.2013</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0790	0.3969	2.6793	4.1000e-003		0.0130	0.0130		0.0130	0.0130	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936
<b>Total</b>	<b>0.0790</b>	<b>0.3969</b>	<b>2.6793</b>	<b>4.1000e-003</b>		<b>0.0130</b>	<b>0.0130</b>		<b>0.0130</b>	<b>0.0130</b>	<b>0.0000</b>	<b>352.4102</b>	<b>352.4102</b>	<b>0.0833</b>	<b>0.0000</b>	<b>354.4936</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1363	5.7700e-003	0.1421	0.0397	5.5200e-003	0.0452	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5418	2.8400e-003	0.5447	0.1448	2.6100e-003	0.1474	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.6781</b>	<b>8.6100e-003</b>	<b>0.6867</b>	<b>0.1844</b>	<b>8.1300e-003</b>	<b>0.1926</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

## 3.9 Building Construction (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.6715	4.5975	7.0400e-003		0.0206	0.0206		0.0206	0.0206	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.1315</b>	<b>0.6715</b>	<b>4.5975</b>	<b>7.0400e-003</b>		<b>0.0206</b>	<b>0.0206</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

**3.9 Building Construction (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9813	4.4400e-003	0.9857	0.2610	4.0900e-003	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.2256</b>	<b>0.0143</b>	<b>1.2399</b>	<b>0.3317</b>	<b>0.0135</b>	<b>0.3452</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.6715	4.5975	7.0400e-003		0.0206	0.0206		0.0206	0.0206	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.1315</b>	<b>0.6715</b>	<b>4.5975</b>	<b>7.0400e-003</b>		<b>0.0206</b>	<b>0.0206</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2340	9.8700e-003	0.2439	0.0682	9.4400e-003	0.0776	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9304	4.4400e-003	0.9348	0.2486	4.0900e-003	0.2526	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.1644</b>	<b>0.0143</b>	<b>1.1787</b>	<b>0.3167</b>	<b>0.0135</b>	<b>0.3302</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

**3.9 Building Construction (For Sale) - 2027**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0346	1.6186	0.4629	6.9100e-003	0.2444	9.8000e-003	0.2542	0.0707	9.3700e-003	0.0801	0.0000	669.2447	669.2447	9.7500e-003	0.1004	699.3952
Worker	0.2540	0.1497	2.1814	7.3300e-003	0.9813	4.1900e-003	0.9855	0.2610	3.8600e-003	0.2649	0.0000	704.2403	704.2403	0.0158	0.0169	709.6642
<b>Total</b>	<b>0.2887</b>	<b>1.7683</b>	<b>2.6443</b>	<b>0.0142</b>	<b>1.2256</b>	<b>0.0140</b>	<b>1.2396</b>	<b>0.3317</b>	<b>0.0132</b>	<b>0.3450</b>	<b>0.0000</b>	<b>1,373.4850</b>	<b>1,373.4850</b>	<b>0.0255</b>	<b>0.1172</b>	<b>1,409.0593</b>

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.6715	4.5975	7.0400e-003		0.0206	0.0206		0.0206	0.0206	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.1315</b>	<b>0.6715</b>	<b>4.5975</b>	<b>7.0400e-003</b>		<b>0.0206</b>	<b>0.0206</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0346	1.6186	0.4629	6.9100e-003	0.2341	9.8000e-003	0.2439	0.0682	9.3700e-003	0.0775	0.0000	669.2447	669.2447	9.7500e-003	0.1004	699.3952
Worker	0.2540	0.1497	2.1814	7.3300e-003	0.9304	4.1900e-003	0.9346	0.2486	3.8600e-003	0.2524	0.0000	704.2403	704.2403	0.0158	0.0169	709.6642
<b>Total</b>	<b>0.2887</b>	<b>1.7683</b>	<b>2.6443</b>	<b>0.0142</b>	<b>1.1645</b>	<b>0.0140</b>	<b>1.1784</b>	<b>0.3167</b>	<b>0.0132</b>	<b>0.3299</b>	<b>0.0000</b>	<b>1,373.4850</b>	<b>1,373.4850</b>	<b>0.0255</b>	<b>0.1172</b>	<b>1,409.0593</b>

**3.9 Building Construction (For Sale) - 2028****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1491	1.3592	1.7532	2.9400e-003		0.0575	0.0575		0.0541	0.0541	0.0000	252.7922	252.7922	0.0594	0.0000	254.2778
<b>Total</b>	<b>0.1491</b>	<b>1.3592</b>	<b>1.7532</b>	<b>2.9400e-003</b>		<b>0.0575</b>	<b>0.0575</b>		<b>0.0541</b>	<b>0.0541</b>	<b>0.0000</b>	<b>252.7922</b>	<b>252.7922</b>	<b>0.0594</b>	<b>0.0000</b>	<b>254.2778</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.6736	0.1916	2.8300e-003	0.1021	4.0600e-003	0.1061	0.0295	3.8900e-003	0.0334	0.0000	273.9149	273.9149	4.0600e-003	0.0411	286.2571
Worker	0.1003	0.0578	0.8713	2.9800e-003	0.4098	1.6400e-003	0.4114	0.1080	1.5100e-003	0.1105	0.0000	288.3921	288.3921	6.0800e-003	6.7500e-003	290.5545
<b>Total</b>	<b>0.1146</b>	<b>0.7314</b>	<b>1.0629</b>	<b>5.8100e-003</b>	<b>0.5119</b>	<b>5.7000e-003</b>	<b>0.5176</b>	<b>0.1385</b>	<b>5.4000e-003</b>	<b>0.1439</b>	<b>0.0000</b>	<b>562.3069</b>	<b>562.3069</b>	<b>0.0101</b>	<b>0.0478</b>	<b>576.8116</b>

**Mitigated Construction On-Site**

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0549	0.2804	1.9200	2.9400e-003		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	252.7919	252.7919	0.0594	0.0000	254.2775
Total	0.0549	0.2804	1.9200	2.9400e-003		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	252.7919	252.7919	0.0594	0.0000	254.2775

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.6736	0.1916	2.8300e-003	0.0978	4.0600e-003	0.1018	0.0285	3.8900e-003	0.0324	0.0000	273.9149	273.9149	4.0600e-003	0.0411	286.2571
Worker	0.1003	0.0578	0.8713	2.9800e-003	0.3886	1.6400e-003	0.3902	0.1038	1.5100e-003	0.1053	0.0000	288.3921	288.3921	6.0800e-003	6.7500e-003	290.5545
Total	0.1146	0.7314	1.0629	5.8100e-003	0.4863	5.7000e-003	0.4920	0.1323	5.4000e-003	0.1377	0.0000	562.3069	562.3069	0.0101	0.0478	576.8116

### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0652	0.6286	0.9653	1.5100e-003		0.0309	0.0309		0.0285	0.0285	0.0000	132.1751	132.1751	0.0428	0.0000	133.2438
Paving	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0693</b>	<b>0.6286</b>	<b>0.9653</b>	<b>1.5100e-003</b>		<b>0.0309</b>	<b>0.0309</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>132.1751</b>	<b>132.1751</b>	<b>0.0428</b>	<b>0.0000</b>	<b>133.2438</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.8300e-003	4.0000e-005	7.8700e-003	2.0800e-003	4.0000e-005	2.1200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708
Total	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.8300e-003	4.0000e-005	7.8700e-003	2.0800e-003	4.0000e-005	2.1200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.0185	0.0802	1.1415	1.5100e-003		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	132.1750	132.1750	0.0428	0.0000	133.2437
Paving	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0225</b>	<b>0.0802</b>	<b>1.1415</b>	<b>1.5100e-003</b>		<b>2.4700e-003</b>	<b>2.4700e-003</b>		<b>2.4700e-003</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>132.1750</b>	<b>132.1750</b>	<b>0.0428</b>	<b>0.0000</b>	<b>133.2437</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.4200e-003	4.0000e-005	7.4600e-003	1.9800e-003	4.0000e-005	2.0200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708
<b>Total</b>	<b>2.4200e-003</b>	<b>1.5900e-003</b>	<b>0.0206</b>	<b>6.0000e-005</b>	<b>7.4200e-003</b>	<b>4.0000e-005</b>	<b>7.4600e-003</b>	<b>1.9800e-003</b>	<b>4.0000e-005</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>6.0191</b>	<b>6.0191</b>	<b>1.6000e-004</b>	<b>1.6000e-004</b>	<b>6.0708</b>

## 3.10 Paving (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2389	2.2398	3.8049	5.9500e-003		0.1092	0.1092		0.1005	0.1005	0.0000	522.5026	522.5026	0.1690	0.0000	526.7273
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2548</b>	<b>2.2398</b>	<b>3.8049</b>	<b>5.9500e-003</b>		<b>0.1092</b>	<b>0.1092</b>		<b>0.1005</b>	<b>0.1005</b>	<b>0.0000</b>	<b>522.5026</b>	<b>522.5026</b>	<b>0.1690</b>	<b>0.0000</b>	<b>526.7273</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0310	1.5000e-004	0.0311	8.2300e-003	1.4000e-004	8.3700e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240
<b>Total</b>	<b>8.9900e-003</b>	<b>5.6500e-003</b>	<b>0.0766</b>	<b>2.5000e-004</b>	<b>0.0310</b>	<b>1.5000e-004</b>	<b>0.0311</b>	<b>8.2300e-003</b>	<b>1.4000e-004</b>	<b>8.3700e-003</b>	<b>0.0000</b>	<b>23.2327</b>	<b>23.2327</b>	<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>23.4240</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0732	0.3172	4.5142	5.9500e-003		9.7600e-004	9.7600e-003		9.7600e-004	9.7600e-003	0.0000	522.5019	522.5019	0.1690	0.0000	526.7266

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total	0.0892	0.3172	4.5142	5.9500e-003		9.7600e-003	9.7600e-003		9.7600e-003	9.7600e-003	0.0000	522.5019	522.5019	0.1690	0.0000	526.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0294	1.5000e-004	0.0295	7.8400e-003	1.4000e-004	7.9800e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240
Total	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0294	1.5000e-004	0.0295	7.8400e-003	1.4000e-004	7.9800e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240

**3.10 Paving (For Sale) - 2026**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0595	0.5578	0.9476	1.4800e-003		0.0272	0.0272		0.0250	0.0250	0.0000	130.1252	130.1252	0.0421	0.0000	131.1773
Paving	3.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0635	0.5578	0.9476	1.4800e-003		0.0272	0.0272		0.0250	0.0250	0.0000	130.1252	130.1252	0.0421	0.0000	131.1773

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.7100e-003	3.0000e-005	7.7400e-003	2.0500e-003	3.0000e-005	2.0800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983
Total	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.7100e-003	3.0000e-005	7.7400e-003	2.0500e-003	3.0000e-005	2.0800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0182	0.0790	1.1242	1.4800e-003		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	130.1250	130.1250	0.0421	0.0000	131.1771
Paving	3.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0222	0.0790	1.1242	1.4800e-003		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	130.1250	130.1250	0.0421	0.0000	131.1771
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.3100e-003	3.0000e-005	7.3400e-003	1.9500e-003	3.0000e-005	1.9800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983
Total	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.3100e-003	3.0000e-005	7.3400e-003	1.9500e-003	3.0000e-005	1.9800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983

## 3.11 Arch Coating (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
Total	0.3131	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
Total	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	8.5000e-003	0.1209	2.0000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
Total	0.3032	8.5000e-003	0.1209	2.0000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0470	2.5000e-004	0.0473	0.0126	2.3000e-004	0.0128	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0470</b>	<b>2.5000e-004</b>	<b>0.0473</b>	<b>0.0126</b>	<b>2.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

**3.11 Arch Coating (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1911					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>1.2357</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1961</b>	<b>9.3000e-004</b>	<b>0.1970</b>	<b>0.0522</b>	<b>8.6000e-004</b>	<b>0.0530</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1911					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.0336	0.4783	7.8000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
<b>Total</b>	<b>1.1989</b>	<b>0.0336</b>	<b>0.4783</b>	<b>7.8000e-004</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>66.6398</b>	<b>66.6398</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7307</b>

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1859</b>	<b>9.3000e-004</b>	<b>0.1868</b>	<b>0.0497</b>	<b>8.6000e-004</b>	<b>0.0505</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

**3.11 Arch Coating (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0907					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060
<b>Total</b>	<b>1.1316</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0228</b>	<b>61.0228</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1060</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1795</b>	<b>8.1000e-004</b>	<b>0.1803</b>	<b>0.0478</b>	<b>7.5000e-004</b>	<b>0.0485</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0907					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-003	0.0308	0.4380	7.1000e-004		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	61.0227	61.0227	3.3300e-003	0.0000	61.1059
<b>Total</b>	<b>1.0978</b>	<b>0.0308</b>	<b>0.4380</b>	<b>7.1000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>61.0227</b>	<b>61.0227</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1059</b>

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-004	0.1710	0.0455	7.5000e-004	0.0462	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1702</b>	<b>8.1000e-004</b>	<b>0.1710</b>	<b>0.0455</b>	<b>7.5000e-004</b>	<b>0.0462</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

## 3.12 Arch Coating (Apartments) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.3131</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0496</b>	<b>2.5000e-004</b>	<b>0.0498</b>	<b>0.0132</b>	<b>2.3000e-004</b>	<b>0.0134</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	8.5000e-003	0.1209	2.0000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.3032</b>	<b>8.5000e-003</b>	<b>0.1209</b>	<b>2.0000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

Mitigated Construction Off-Site

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0470	2.5000e-004	0.0473	0.0126	2.3000e-004	0.0128	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0470</b>	<b>2.5000e-004</b>	<b>0.0473</b>	<b>0.0126</b>	<b>2.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

## 3.12 Arch Coating (Apartments) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1911					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>1.2357</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1961</b>	<b>9.3000e-004</b>	<b>0.1970</b>	<b>0.0522</b>	<b>8.6000e-004</b>	<b>0.0530</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1911					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.0336	0.4783	7.8000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
<b>Total</b>	<b>1.1989</b>	<b>0.0336</b>	<b>0.4783</b>	<b>7.8000e-004</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>66.6398</b>	<b>66.6398</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7307</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1859</b>	<b>9.3000e-004</b>	<b>0.1868</b>	<b>0.0497</b>	<b>8.6000e-004</b>	<b>0.0505</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

## 3.12 Arch Coating (Apartments) - 2026

## Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0907					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060
<b>Total</b>	<b>1.1316</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0228</b>	<b>61.0228</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1060</b>

## Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1795</b>	<b>8.1000e-004</b>	<b>0.1803</b>	<b>0.0478</b>	<b>7.5000e-004</b>	<b>0.0485</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

## Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0907					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-003	0.0308	0.4380	7.1000e-004		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	61.0227	61.0227	3.3300e-003	0.0000	61.1059
<b>Total</b>	<b>1.0978</b>	<b>0.0308</b>	<b>0.4380</b>	<b>7.1000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>61.0227</b>	<b>61.0227</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1059</b>

## Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					



## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-004	0.1710	0.0455	7.5000e-004	0.0462	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
Total	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-004	0.1710	0.0455	7.5000e-004	0.0462	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968

## 3.13 Arch Coating (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1512					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9300e-003	0.0264	0.0416	7.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	5.8725	5.8725	3.2000e-004	0.0000	5.8805
<b>Total</b>	<b>0.1551</b>	<b>0.0264</b>	<b>0.0416</b>	<b>7.0000e-005</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>5.8725</b>	<b>5.8725</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>5.8805</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0173	8.0000e-005	0.0174	4.6000e-003	7.0000e-005	4.6700e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700
<b>Total</b>	<b>4.7300e-003</b>	<b>2.8700e-003</b>	<b>0.0404</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>8.0000e-005</b>	<b>0.0174</b>	<b>4.6000e-003</b>	<b>7.0000e-005</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.6694</b>	<b>12.6694</b>	<b>3.0000e-004</b>	<b>3.1000e-004</b>	<b>12.7700</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1512					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	2.9600e-003	0.0422	7.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.8725	5.8725	3.2000e-004	0.0000	5.8805
<b>Total</b>	<b>0.1519</b>	<b>2.9600e-003</b>	<b>0.0422</b>	<b>7.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>5.8725</b>	<b>5.8725</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>5.8805</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0164	8.0000e-005	0.0165	4.3800e-003	7.0000e-005	4.4500e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700
Total	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0164	8.0000e-005	0.0165	4.3800e-003	7.0000e-005	4.4500e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700

## 3.13 Arch Coating (For Sale) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>1.7601</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0508	0.0299	0.4358	1.4700e-003	0.1961	8.4000e-004	0.1969	0.0522	7.7000e-004	0.0529	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836
<b>Total</b>	<b>0.0508</b>	<b>0.0299</b>	<b>0.4358</b>	<b>1.4700e-003</b>	<b>0.1961</b>	<b>8.4000e-004</b>	<b>0.1969</b>	<b>0.0522</b>	<b>7.7000e-004</b>	<b>0.0529</b>	<b>0.0000</b>	<b>140.7000</b>	<b>140.7000</b>	<b>3.1500e-003</b>	<b>3.3700e-003</b>	<b>141.7836</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.0336	0.4783	7.8000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
<b>Total</b>	<b>1.7232</b>	<b>0.0336</b>	<b>0.4783</b>	<b>7.8000e-004</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>66.6398</b>	<b>66.6398</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7307</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0508	0.0299	0.4358	1.4700e-003	0.1859	8.4000e-004	0.1867	0.0497	7.7000e-004	0.0504	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836
Total	0.0508	0.0299	0.4358	1.4700e-003	0.1859	8.4000e-004	0.1867	0.0497	7.7000e-004	0.0504	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836

## 3.13 Arch Coating (For Sale) - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8305	27.8305	1.5200e-003	0.0000	27.8684
Total	0.7350	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8305	27.8305	1.5200e-003	0.0000	27.8684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0200	0.0116	0.1741	6.0000e-004	0.0819	3.3000e-004	0.0822	0.0218	3.0000e-004	0.0221	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498
Total	0.0200	0.0116	0.1741	6.0000e-004	0.0819	3.3000e-004	0.0822	0.0218	3.0000e-004	0.0221	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2400e-003	0.0140	0.1997	3.2000e-004		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	27.8304	27.8304	1.5200e-003	0.0000	27.8684
Total	0.7197	0.0140	0.1997	3.2000e-004		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	27.8304	27.8304	1.5200e-003	0.0000	27.8684

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0200	0.0116	0.1741	6.0000e-004	0.0776	3.3000e-004	0.0780	0.0207	3.0000e-004	0.0210	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0200	0.0116	0.1741	6.0000e-004	0.0776	3.3000e-004	0.0780	0.0207	3.0000e-004	0.0210	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498
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#### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Unmitigated	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Apartments Mid Rise	1,345.50	1,345.50	1345.50	3,499,839		3,499,839	
City Park	1.10	1.10	1.10	3,214		3,214	
Condo/Townhouse	409.20	409.20	409.20	1,064,388		1,064,388	
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2982.00	7,959,590		7,959,590	
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1929.60	5,258,677		5,258,677	
Hotel	603.40	603.40	603.40	1,697,096		1,697,096	
Parking Lot	0.00	0.00	0.00				
Regional Shopping Center	2,933.82	2,933.82	2933.82	8,178,699		8,178,699	
Single Family Housing	780.00	780.00	780.00	2,028,892		2,028,892	
Total	10,984.62	10,984.62	10,984.62	29,690,396		29,690,396	

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

#### 5.0 Energy Detail

Historical Energy Use: N

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	708.1080	708.1080	0.1146	0.0139	715.1099
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	708.1080	708.1080	0.1146	0.0139	715.1099
NaturalGas Mitigated	0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	1,317.2882	1,317.2882	0.0253	0.0242	1,325.1162
NaturalGas Unmitigated	0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	1,317.2882	1,317.2882	0.0253	0.0242	1,325.1162

## 5.2 Energy by Land Use - NaturalGas

## Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.26886e+006	0.0176	0.1506	0.0641	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4386	174.4386	3.3400e-003	3.2000e-003	175.4752
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.89856e+006	0.0102	0.0875	0.0372	5.6000e-004		7.0700e-003	7.0700e-003		7.0700e-003	7.0700e-003	0.0000	101.3143	101.3143	1.9400e-003	1.8600e-003	101.9164
Fast Food Restaurant w/o	2.48724e+006	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7286	132.7286	2.5400e-003	2.4300e-003	133.5173
High Turnover (Sit Down Restaurant)	3.73086e+006	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139	0.0000	199.0929	199.0929	3.8200e-003	3.6500e-003	200.2760
Hotel	8.92602e+006	0.0481	0.4376	0.3675	2.6300e-003		0.0333	0.0333		0.0333	0.0333	0.0000	476.3267	476.3267	9.1300e-003	8.7300e-003	479.1573
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	379080	2.0400e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.2292	20.2292	3.9000e-004	3.7000e-004	20.3494
Single Family Housing	3.99443e+006	0.0215	0.1841	0.0783	1.1700e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.1581	213.1581	4.0900e-003	3.9100e-003	214.4247
<b>Total</b>		<b>0.1331</b>	<b>1.1831</b>	<b>0.8188</b>	<b>7.2600e-003</b>		<b>0.0920</b>	<b>0.0920</b>		<b>0.0920</b>	<b>0.0920</b>	<b>0.0000</b>	<b>1,317.2882</b>	<b>1,317.2882</b>	<b>0.0253</b>	<b>0.0242</b>	<b>1,325.1162</b>

## Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.26886e+006	0.0176	0.1506	0.0641	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4386	174.4386	3.3400e-003	3.2000e-003	175.4752
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.89856e+006	0.0102	0.0875	0.0372	5.6000e-004		7.0700e-003	7.0700e-003		7.0700e-003	7.0700e-003	0.0000	101.3143	101.3143	1.9400e-003	1.8600e-003	101.9164
Fast Food Restaurant w/o	2.48724e+006	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7286	132.7286	2.5400e-003	2.4300e-003	133.5173
High Turnover (Sit Down Restaurant)	3.73086e+006	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139	0.0000	199.0929	199.0929	3.8200e-003	3.6500e-003	200.2760
Hotel	8.92602e+006	0.0481	0.4376	0.3675	2.6300e-003		0.0333	0.0333		0.0333	0.0333	0.0000	476.3267	476.3267	9.1300e-003	8.7300e-003	479.1573
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	379080	2.0400e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.2292	20.2292	3.9000e-004	3.7000e-004	20.3494
Single Family	3.99443e+006	0.0215	0.1841	0.0783	1.1700e-003		0.0149	0.0149		0.0149	0.0149	0.0000	213.1581	213.1581	4.0900e-003	3.9100e-003	214.4247

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		0.1331	1.1831	0.8188	7.2600e-003		0.0920	0.0920		0.0920	0.0920	0.0000	1,317.2882	1,317.2882	0.0253	0.0242	1,325.1162
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## 5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.50791e+006	139.5173	0.0226	2.7400e-003	140.8969
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	533332	49.3459	7.9800e-003	9.7000e-004	49.8338
Fast Food Restaurant w/o Drive Thru	386040	35.7179	5.7800e-003	7.0000e-004	36.0711
High Turnover (Sit Down Restaurant)	579060	53.5768	8.6700e-003	1.0500e-003	54.1066
Hotel	1.50427e+006	139.1809	0.0225	2.7300e-003	140.5572
Parking Lot	284480	26.3212	4.2600e-003	5.2000e-004	26.5814
Regional Shopping Center	1.68318e+006	155.7342	0.0252	3.0500e-003	157.2741
Single Family Housing	1.17498e+006	108.7139	0.0176	2.1300e-003	109.7889
<b>Total</b>		<b>708.1080</b>	<b>0.1146</b>	<b>0.0139</b>	<b>715.1099</b>

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.50791e+006	139.5173	0.0226	2.7400e-003	140.8969
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	533332	49.3459	7.9800e-003	9.7000e-004	49.8338
Fast Food Restaurant w/o Drive Thru	386040	35.7179	5.7800e-003	7.0000e-004	36.0711
High Turnover (Sit Down Restaurant)	579060	53.5768	8.6700e-003	1.0500e-003	54.1066
Hotel	1.50427e+006	139.1809	0.0225	2.7300e-003	140.5572
Parking Lot	284480	26.3212	4.2600e-003	5.2000e-004	26.5814
Regional Shopping Center	1.68318e+006	155.7342	0.0252	3.0500e-003	157.2741
Single Family Housing	1.17498e+006	108.7139	0.0176	2.1300e-003	109.7889
<b>Total</b>		<b>708.1080</b>	<b>0.1146</b>	<b>0.0139</b>	<b>715.1099</b>

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

## SCS Dublin - Mitigated Construction - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Unmitigated	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175

## 6.2 Area by SubCategory

## Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1468	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Total	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175

## Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1468	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Total	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.4017	1.7530	0.0420	111.7408

## SCS Dublin - Mitigated Construction - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied****7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	25.4101 / 16.0194	25.9705	0.8309	0.0199	52.6734
City Park	0 / 2.9787	0.9646	1.6000e-004	2.0000e-005	0.9741
Condo/Townhouse	7.16694 / 4.51829	7.3250	0.2344	5.6100e-003	14.8566
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	3.6424 / 0.232494	3.0544	0.1190	2.8400e-003	6.8755
Hotel	5.46361 / 0.348741	4.5816	0.1785	4.2600e-003	10.3133
Parking Lot	3.55135 / 0.394594	3.0324	0.1160	2.7700e-003	6.7586
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.9997 / 7.35468	12.1963	0.3924	9.4000e-003	24.8059
Total	9.7731 / 6.1613	9.9887	0.3196	7.6500e-003	20.2590

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	20.3281 / 15.0422	21.4975	0.6648	0.0159	42.8669
City Park	0 / 2.797	0.9058	1.5000e-004	2.0000e-005	0.9147
Condo/Townhouse	5.73355 / 4.24267	6.0634	0.1875	4.4900e-003	12.0907
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	2.91392 / 0.218312	2.4540	0.0952	2.2700e-003	5.5110
Hotel	4.37089 / 0.327468	3.6810	0.1428	3.4100e-003	8.2665
Parking Lot	2.84108 / 0.370524	2.4437	0.0928	2.2200e-003	5.4248
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	9.5998 / 6.90605	10.0881	0.3140	7.5200e-003	20.1790
Total	7.81848 / 5.78547	8.2683	0.2557	6.1300e-003	16.4873

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**Category/Year**

	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Mitigated Construction - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	MT/yr			
Mitigated	102.4668	6.0556	0.0000	253.8571
Unmitigated	204.9336	12.1112	0.0000	507.7143

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	179.4	36.4166	2.1522	0.0000	90.2205
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	50.6	10.2713	0.6070	0.0000	25.4468
Fast Food	138.23	28.0594	1.6583	0.0000	69.5161
Restaurant w/o High Turnover (Sit Down Restaurant)	214.2	43.4807	2.5696	0.0000	107.7215
Hotel	76.65	15.5593	0.9195	0.0000	38.5474
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	170.1	34.5288	2.0406	0.0000	85.5436
Single Family Housing	180.18	36.5749	2.1615	0.0000	90.6128
<b>Total</b>		<b>204.9336</b>	<b>12.1112</b>	<b>0.0000</b>	<b>507.7143</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	89.7	18.2083	1.0761	0.0000	45.1103
City Park	0.105	0.0213	1.2600e-003	0.0000	0.0528
Condo/Townhouse	25.3	5.1357	0.3035	0.0000	12.7234
Fast Food Restaurant w/o	69.115	14.0297	0.8291	0.0000	34.7580
High Turnover (Sit Down Restaurant)	107.1	21.7403	1.2848	0.0000	53.8608
Hotel	38.325	7.7796	0.4598	0.0000	19.2737
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	85.05	17.2644	1.0203	0.0000	42.7718
Single Family Housing	90.09	18.2875	1.0808	0.0000	45.3064
<b>Total</b>		<b>102.4668</b>	<b>6.0556</b>	<b>0.0000</b>	<b>253.8571</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

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SCS Dublin - Mitigated Construction - Alameda County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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SCS Dublin - Operational - Alameda County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SCS Dublin - Operational  
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	2,032.00	Space	18.29	812,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
Fast Food Restaurant w/o Drive Thru	12.00	1000sqft	0.28	12,000.00	0
High Turnover (Sit Down Restaurant)	18.00	1000sqft	0.41	18,000.00	0
Hotel	140.00	Room	4.67	203,280.00	0
Apartments Mid Rise	390.00	Dwelling Unit	10.26	390,000.00	1115
Condo/Townhouse	110.00	Dwelling Unit	6.88	110,000.00	315
Single Family Housing	150.00	Dwelling Unit	48.70	270,000.00	429
Regional Shopping Center	162.00	1000sqft	3.72	162,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	63
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWahr)	203.98	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - City park proxy for parks
- Construction Phase - Per constrction timeline
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Off-road Equipment - Equipment increased due to size
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Trips - per trip gen table
- Woodstoves - BAAQMD rule compliance
- Construction Off-road Equipment Mitigation - Per BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939
- Energy Use - Per BAAQMD rule compliance - no natural gas

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00
tblConstructionPhase	NumDays	1,550.00	1,044.00
tblConstructionPhase	NumDays	100.00	306.00
tblConstructionPhase	NumDays	155.00	655.00
tblConstructionPhase	NumDays	110.00	544.00
tblConstructionPhase	NumDays	110.00	392.00
tblConstructionPhase	NumDays	60.00	392.00
tblEnergyUse	NT24E	3,054.10	6,322.74
tblEnergyUse	NT24E	3,795.01	8,321.08
tblEnergyUse	NT24E	22.30	156.41
tblEnergyUse	NT24E	22.30	156.41
tblEnergyUse	NT24E	3.22	3.42
tblEnergyUse	NT24E	2.68	2.85
tblEnergyUse	NT24E	6,155.97	12,642.76
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	147.47	0.00
tblEnergyUse	NT24NG	147.47	0.00
tblEnergyUse	NT24NG	4.75	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	14,104.62	0.00
tblEnergyUse	T24NG	59.80	0.00
tblEnergyUse	T24NG	59.80	0.00
tblEnergyUse	T24NG	39.16	0.00
tblEnergyUse	T24NG	2.34	0.00
tblEnergyUse	T24NG	23,474.54	0.00
tblFireplaces	NumberGas	58.50	0.00
tblFireplaces	NumberGas	16.50	0.00
tblFireplaces	NumberGas	37.50	0.00
tblFireplaces	NumberWood	66.30	0.00
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.45
tblVehicleTrips	ST_TR	1.96	0.44
tblVehicleTrips	ST_TR	8.14	3.72
tblVehicleTrips	ST_TR	696.00	248.50
tblVehicleTrips	ST_TR	122.40	107.20
tblVehicleTrips	ST_TR	8.19	4.31
tblVehicleTrips	ST_TR	46.12	18.11
tblVehicleTrips	ST_TR	9.54	5.20
tblVehicleTrips	SU_TR	4.09	3.45
tblVehicleTrips	SU_TR	2.19	0.44

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tblVehicleTrips	SU_TR	6.28	3.72
tblVehicleTrips	SU_TR	500.00	248.50
tblVehicleTrips	SU_TR	142.64	107.20
tblVehicleTrips	SU_TR	5.95	4.31
tblVehicleTrips	SU_TR	21.10	18.11
tblVehicleTrips	SU_TR	8.55	5.20
tblVehicleTrips	WD_TR	5.44	3.45
tblVehicleTrips	WD_TR	0.78	0.44
tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips	WD_TR	112.18	107.20
tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips	WD_TR	37.75	18.11
tblVehicleTrips	WD_TR	9.44	5.20
tblWoodstoves	NumberCatalytic	7.80	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberCatalytic	6.00	0.00
tblWoodstoves	NumberNoncatalytic	7.80	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	6.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.0734	21.1256	15.7551	0.0358	10.1768	0.9080	11.0848	3.7172	0.8384	4.5556	0.0000	3,159.3618	3,159.3618	0.9207	0.0211	3,188.6757
2024	6.4057	41.2335	43.5436	0.1061	13.8260	1.6719	15.4978	4.9429	1.5515	6.4943	0.0000	9,549.4281	9,549.4281	1.8245	0.3019	9,685.0158
2025	11.3212	34.7724	46.0551	0.1155	10.1147	1.3029	11.4176	2.8350	1.2141	4.0490	0.0000	10,485.8734	10,485.8734	1.6736	0.3953	10,645.5207
2026	9.4385	19.2503	28.3819	0.0752	3.6982	0.6721	4.3703	0.9990	0.6310	1.6300	0.0000	6,907.0029	6,907.0029	0.7853	0.3281	7,024.4180
2027	5.9829	6.6027	9.4544	0.0288	1.7269	0.2037	1.9306	0.4665	0.1925	0.6590	0.0000	2,678.9379	2,678.9379	0.2164	0.1498	2,728.9895
2028	2.4244	2.2270	3.1874	9.6700e-003	0.5937	0.0692	0.6629	0.1603	0.0654	0.2257	0.0000	900.5474	900.5474	0.0723	0.0492	917.0077
Maximum	11.3212	41.2335	46.0551	0.1155	13.8260	1.6719	15.4978	4.9429	1.5515	6.4943	0.0000	10,485.8734	10,485.8734	1.8245	0.3953	10,645.5207

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.0734	21.1256	15.7551	0.0358	4.4212	0.9080	5.3292	1.6082	0.8384	2.4466	0.0000	3,159.3583	3,159.3583	0.9207	0.0211	3,188.6722
2024	6.4057	41.2334	43.5436	0.1061	7.4626	1.6719	9.1345	2.5363	1.5515	4.0878	0.0000	9,549.4209	9,549.4209	1.8245	0.3019	9,685.0086
2025	11.3212	34.7724	46.0550	0.1155	6.5449	1.3029	7.8479	1.8171	1.2141	3.0311	0.0000	10,485.8666	10,485.8666	1.6736	0.3953	10,645.5139
2026	9.4385	19.2502	28.3819	0.0752	3.5128	0.6721	4.1849	0.9534	0.6310	1.5845	0.0000	6,906.9995	6,906.9995	0.7853	0.3281	7,024.4146
2027	5.9829	6.6027	9.4544	0.0288	1.6403	0.2037	1.8441	0.4452	0.1925	0.6378	0.0000	2,678.9369	2,678.9369	0.2164	0.1498	2,728.9885

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2028	2.4244	2.2270	3.1874	9.6700e-003	0.5639	0.0692	0.6331	0.1530	0.0854	0.2184	0.0000	900.5470	900.5470	0.0723	0.0492	917.0073
Maximum	11.3212	41.2334	46.0550	0.1155	7.4626	1.6719	9.1345	2.5363	1.5515	4.0878	0.0000	10,485.8666	10,485.8666	1.8245	0.3953	10,645.5139

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	39.84	0.00	35.56	42.74	0.00	31.84	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2023	7-2-2023	7.3816	7.3816
2	7-3-2023	10-2-2023	7.4744	7.4744
3	10-3-2023	1-2-2024	8.5651	8.5651
4	1-3-2024	4-2-2024	10.2501	10.2501
5	4-3-2024	7-2-2024	11.2513	11.2513
6	7-3-2024	10-2-2024	12.6370	12.6370
7	10-3-2024	1-2-2025	13.4363	13.4363
8	1-3-2025	4-2-2025	12.1713	12.1713
9	4-3-2025	7-2-2025	12.1965	12.1965
10	7-3-2025	10-2-2025	12.3330	12.3330
11	10-3-2025	1-2-2026	9.2675	9.2675
12	1-3-2026	4-2-2026	8.9892	8.9892
13	4-3-2026	7-2-2026	8.1272	8.1272
14	7-3-2026	10-2-2026	6.7650	6.7650
15	10-3-2026	1-2-2027	4.7097	4.7097
16	1-3-2027	4-2-2027	4.1681	4.1681
17	4-3-2027	7-2-2027	2.7678	2.7678
18	7-3-2027	10-2-2027	2.7990	2.7990
19	10-3-2027	1-2-2028	2.8328	2.8328
20	1-3-2028	4-2-2028	2.7918	2.7918
21	4-3-2028	7-2-2028	1.8191	1.8191
		Highest	13.4363	13.4363

## 2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1,340.7070	1,340.7070	0.2169	0.0263	1,353.9643
Mobile	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Waste						0.0000	0.0000		0.0000	0.0000	204.9336	0.0000	204.9336	12.1112	0.0000	507.7143
Water						0.0000	0.0000		0.0000	0.0000	21.2583	45.8552	67.1135	2.1909	0.0525	137.5163
Total	9.6250	5.4456	45.3927	0.0927	10.9579	0.0929	11.0508	2.9277	0.0885	3.0162	226.1919	10,305.6756	10,531.8675	15.0272	0.5109	11,059.7984

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category		tons/yr									MT/yr					
Area	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1,340.7070	1,340.7070	0.2169	0.0263	1,353.9643
Mobile	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Waste						0.0000	0.0000		0.0000	0.0000	102.4668	0.0000	102.4668	6.0556	0.0000	253.8571
Water						0.0000	0.0000		0.0000	0.0000	17.0066	38.3950	55.4017	1.7530	0.0420	111.7408
Total	9.6250	5.4456	45.3927	0.0927	10.9579	0.0929	11.0508	2.9277	0.0885	3.0162	119.4734	10,298.2154	10,417.6889	8.5337	0.5005	10,780.1658

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.18	0.07	1.08	43.21	2.05	2.53

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	6/3/2024	5	306	
2	Site Preparation	Site Preparation	4/3/2023	10/1/2024	5	392	
3	Grading	Grading	4/3/2023	10/3/2025	5	655	
4	Infrastructure (Trenching)	Trenching	10/2/2023	9/1/2026	5	762	
5	Building Construction (Commercial)	Building Construction	1/1/2024	9/1/2026	5	697	
6	Paving (Commercial)	Paving	5/1/2024	6/1/2026	5	544	
7	Building Construction (Apartment)	Building Construction	6/3/2024	4/1/2027	5	739	
8	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
9	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	
10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
12	Arch Coating (For Sale)	Architectural Coating	12/1/2026	6/1/2028	5	393	

Acres of Grading (Site Preparation Phase): 1176

Acres of Grading (Grading Phase): 6550

Acres of Paving: 18.29

Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 592,920; Non-Residential Outdoor: 197,640; Striped Parking Are

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Infrastructure (Trenching)	Cranes	2	7.00	231	0.29
Infrastructure (Trenching)	Forklifts	6	8.00	89	0.20
Infrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29



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Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00	130	0.42
Building Construction (Commercial)	Paving Equipment	4	8.00	132	0.36
Building Construction (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Commercial)	Welders	1	8.00	46	0.45
Paving (Commercial)	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
Building Construction (Apartment)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment)	Welders	2	8.00	46	0.45
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	0.20
Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
Building Construction (For Sale)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (For Sale)	Welders	2	8.00	46	0.45
Paving (For Sale)	Pavers	4	8.00	130	0.42
Paving (For Sale)	Paving Equipment	4	8.00	132	0.36
Paving (For Sale)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments)	Air Compressors	2	6.00	78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	0.00	989.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	11,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	29	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	951.00	285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (For Sale)	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Arch Coating (For Sale)	2	190.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2023****Unmitigated Construction On-Site**

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0682	0.0000	0.0682	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4425	4.1895	3.8305	7.5700e-003		0.1945	0.1945		0.1810	0.1810	0.0000	662.8453	662.8453	0.1856	0.0000	667.4862
<b>Total</b>	<b>0.4425</b>	<b>4.1895</b>	<b>3.8305</b>	<b>7.5700e-003</b>	<b>0.0682</b>	<b>0.1945</b>	<b>0.2627</b>	<b>0.0103</b>	<b>0.1810</b>	<b>0.1913</b>	<b>0.0000</b>	<b>662.8453</b>	<b>662.8453</b>	<b>0.1856</b>	<b>0.0000</b>	<b>667.4862</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0414	9.4000e-003	1.9000e-004	5.3400e-003	3.5000e-004	5.6900e-003	1.4700e-003	3.4000e-004	1.8100e-003	0.0000	18.3620	18.3620	3.9000e-004	2.9000e-003	19.2363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6500e-003	5.2500e-003	0.0652	2.0000e-004	0.0231	1.2000e-004	0.0233	6.1500e-003	1.1000e-004	6.2600e-003	0.0000	18.2332	18.2332	5.4000e-004	5.1000e-004	18.3974
<b>Total</b>	<b>8.3000e-003</b>	<b>0.0467</b>	<b>0.0746</b>	<b>3.9000e-004</b>	<b>0.0285</b>	<b>4.7000e-004</b>	<b>0.0289</b>	<b>7.6200e-003</b>	<b>4.5000e-004</b>	<b>8.0700e-003</b>	<b>0.0000</b>	<b>36.5953</b>	<b>36.5953</b>	<b>9.3000e-004</b>	<b>3.4100e-003</b>	<b>37.6337</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0292	0.0000	0.0292	4.4100e-003	0.0000	4.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4425	4.1895	3.8305	7.5700e-003		0.1945	0.1945		0.1810	0.1810	0.0000	662.8445	662.8445	0.1856	0.0000	667.4854
<b>Total</b>	<b>0.4425</b>	<b>4.1895</b>	<b>3.8305</b>	<b>7.5700e-003</b>	<b>0.0292</b>	<b>0.1945</b>	<b>0.2237</b>	<b>4.4100e-003</b>	<b>0.1810</b>	<b>0.1854</b>	<b>0.0000</b>	<b>662.8445</b>	<b>662.8445</b>	<b>0.1856</b>	<b>0.0000</b>	<b>667.4854</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0414	9.4000e-003	1.9000e-004	5.1000e-003	3.5000e-004	5.4500e-003	1.4100e-003	3.4000e-004	1.7500e-003	0.0000	18.3620	18.3620	3.9000e-004	2.9000e-003	19.2363
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6500e-003	5.2500e-003	0.0652	2.0000e-004	0.0219	1.2000e-004	0.0221	5.8600e-003	1.1000e-004	5.9700e-003	0.0000	18.2332	18.2332	5.4000e-004	5.1000e-004	18.3974
<b>Total</b>	<b>8.3000e-003</b>	<b>0.0467</b>	<b>0.0746</b>	<b>3.9000e-004</b>	<b>0.0270</b>	<b>4.7000e-004</b>	<b>0.0275</b>	<b>7.2700e-003</b>	<b>4.5000e-004</b>	<b>7.7200e-003</b>	<b>0.0000</b>	<b>36.5953</b>	<b>36.5953</b>	<b>9.3000e-004</b>	<b>3.4100e-003</b>	<b>37.6337</b>

**3.2 Demolition - 2024**Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0388	0.0000	0.0388	5.8800e-003	0.0000	5.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2491	2.3175	2.1875	4.3100e-003		0.1066	0.1066		0.0990	0.0990	0.0000	377.3561	377.3561	0.1056	0.0000	379.9956
<b>Total</b>	<b>0.2491</b>	<b>2.3175</b>	<b>2.1875</b>	<b>4.3100e-003</b>	<b>0.0388</b>	<b>0.1066</b>	<b>0.1454</b>	<b>5.8800e-003</b>	<b>0.0990</b>	<b>0.1049</b>	<b>0.0000</b>	<b>377.3561</b>	<b>377.3561</b>	<b>0.1056</b>	<b>0.0000</b>	<b>379.9956</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0237	5.3700e-003	1.1000e-004	3.0400e-003	2.0000e-004	3.2400e-003	8.4000e-004	1.9000e-004	1.0300e-003	0.0000	10.2991	10.2991	2.2000e-004	1.6300e-003	10.7896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0700e-003	2.6700e-003	0.0347	1.1000e-004	0.0132	7.0000e-005	0.0132	3.5000e-003	6.0000e-005	3.5600e-003	0.0000	10.1230	10.1230	2.8000e-004	2.7000e-004	10.2099
<b>Total</b>	<b>4.4400e-003</b>	<b>0.0263</b>	<b>0.0400</b>	<b>2.2000e-004</b>	<b>0.0162</b>	<b>2.7000e-004</b>	<b>0.0165</b>	<b>4.3400e-003</b>	<b>2.5000e-004</b>	<b>4.5900e-003</b>	<b>0.0000</b>	<b>20.4220</b>	<b>20.4220</b>	<b>5.0000e-004</b>	<b>1.9000e-003</b>	<b>20.9995</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0166	0.0000	0.0166	2.5100e-003	0.0000	2.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2491	2.3175	2.1875	4.3100e-003		0.1066	0.1066		0.0990	0.0990	0.0000	377.3557	377.3557	0.1056	0.0000	379.9951
<b>Total</b>	<b>0.2491</b>	<b>2.3175</b>	<b>2.1875</b>	<b>4.3100e-003</b>	<b>0.0166</b>	<b>0.1066</b>	<b>0.1232</b>	<b>2.5100e-003</b>	<b>0.0990</b>	<b>0.1015</b>	<b>0.0000</b>	<b>377.3557</b>	<b>377.3557</b>	<b>0.1056</b>	<b>0.0000</b>	<b>379.9951</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0237	5.3700e-003	1.1000e-004	2.9000e-003	2.0000e-004	3.1100e-003	8.0000e-004	1.9000e-004	1.0000e-003	0.0000	10.2991	10.2991	2.2000e-004	1.6300e-003	10.7896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0700e-003	2.6700e-003	0.0347	1.1000e-004	0.0125	7.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3900e-003	0.0000	10.1230	10.1230	2.8000e-004	2.7000e-004	10.2099
<b>Total</b>	<b>4.4400e-003</b>	<b>0.0263</b>	<b>0.0400</b>	<b>2.2000e-004</b>	<b>0.0154</b>	<b>2.7000e-004</b>	<b>0.0157</b>	<b>4.1300e-003</b>	<b>2.5000e-004</b>	<b>4.3900e-003</b>	<b>0.0000</b>	<b>20.4220</b>	<b>20.4220</b>	<b>5.0000e-004</b>	<b>1.9000e-003</b>	<b>20.9995</b>

**3.3 Site Preparation - 2023**Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1465	0.0000	4.1465	2.0038	0.0000	2.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5186	5.3672	3.5576	7.4200e-003		0.2469	0.2469		0.2271	0.2271	0.0000	652.2886	652.2886	0.2110	0.0000	657.5627
<b>Total</b>	<b>0.5186</b>	<b>5.3672</b>	<b>3.5576</b>	<b>7.4200e-003</b>	<b>4.1465</b>	<b>0.2469</b>	<b>4.3934</b>	<b>2.0038</b>	<b>0.2271</b>	<b>2.2309</b>	<b>0.0000</b>	<b>652.2886</b>	<b>652.2886</b>	<b>0.2110</b>	<b>0.0000</b>	<b>657.5627</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0270	1.4000e-004	0.0271	7.1800e-003	1.3000e-004	7.3100e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636
<b>Total</b>	<b>8.9300e-003</b>	<b>6.1200e-003</b>	<b>0.0761</b>	<b>2.3000e-004</b>	<b>0.0270</b>	<b>1.4000e-004</b>	<b>0.0271</b>	<b>7.1800e-003</b>	<b>1.3000e-004</b>	<b>7.3100e-003</b>	<b>0.0000</b>	<b>21.2721</b>	<b>21.2721</b>	<b>6.3000e-004</b>	<b>5.9000e-004</b>	<b>21.4636</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7726	0.0000	1.7726	0.8566	0.0000	0.8566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5186	5.3672	3.5576	7.4200e-003		0.2469	0.2469		0.2271	0.2271	0.0000	652.2878	652.2878	0.2110	0.0000	657.5619
<b>Total</b>	<b>0.5186</b>	<b>5.3672</b>	<b>3.5576</b>	<b>7.4200e-003</b>	<b>1.7726</b>	<b>0.2469</b>	<b>2.0195</b>	<b>0.8566</b>	<b>0.2271</b>	<b>1.0838</b>	<b>0.0000</b>	<b>652.2878</b>	<b>652.2878</b>	<b>0.2110</b>	<b>0.0000</b>	<b>657.5619</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9300e-003	6.1200e-003	0.0761	2.3000e-004	0.0256	1.4000e-004	0.0257	6.8300e-003	1.3000e-004	6.9600e-003	0.0000	21.2721	21.2721	6.3000e-004	5.9000e-004	21.4636
<b>Total</b>	<b>8.9300e-003</b>	<b>6.1200e-003</b>	<b>0.0761</b>	<b>2.3000e-004</b>	<b>0.0256</b>	<b>1.4000e-004</b>	<b>0.0257</b>	<b>6.8300e-003</b>	<b>1.3000e-004</b>	<b>6.9600e-003</b>	<b>0.0000</b>	<b>21.2721</b>	<b>21.2721</b>	<b>6.3000e-004</b>	<b>5.9000e-004</b>	<b>21.4636</b>

**3.3 Site Preparation - 2024**Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1826	0.0000	4.1826	2.0237	0.0000	2.0237	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5242	5.3537	3.6121	7.5000e-003		0.2422	0.2422		0.2228	0.2228	0.0000	659.1042	659.1042	0.2132	0.0000	664.4333
<b>Total</b>	<b>0.5242</b>	<b>5.3537</b>	<b>3.6121</b>	<b>7.5000e-003</b>	<b>4.1826</b>	<b>0.2422</b>	<b>4.4248</b>	<b>2.0237</b>	<b>0.2228</b>	<b>2.2465</b>	<b>0.0000</b>	<b>659.1042</b>	<b>659.1042</b>	<b>0.2132</b>	<b>0.0000</b>	<b>664.4333</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4300e-003	5.5200e-003	0.0718	2.2000e-004	0.0273	1.4000e-004	0.0274	7.2500e-003	1.2000e-004	7.3800e-003	0.0000	20.9603	20.9603	5.7000e-004	5.6000e-004	21.1404
<b>Total</b>	<b>8.4300e-003</b>	<b>5.5200e-003</b>	<b>0.0718</b>	<b>2.2000e-004</b>	<b>0.0273</b>	<b>1.4000e-004</b>	<b>0.0274</b>	<b>7.2500e-003</b>	<b>1.2000e-004</b>	<b>7.3800e-003</b>	<b>0.0000</b>	<b>20.9603</b>	<b>20.9603</b>	<b>5.7000e-004</b>	<b>5.6000e-004</b>	<b>21.1404</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7881	0.0000	1.7881	0.8651	0.0000	0.8651	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5242	5.3537	3.6121	7.5000e-003		0.2422	0.2422		0.2228	0.2228	0.0000	659.1034	659.1034	0.2132	0.0000	664.4326
<b>Total</b>	<b>0.5242</b>	<b>5.3537</b>	<b>3.6121</b>	<b>7.5000e-003</b>	<b>1.7881</b>	<b>0.2422</b>	<b>2.0303</b>	<b>0.8651</b>	<b>0.2228</b>	<b>1.0879</b>	<b>0.0000</b>	<b>659.1034</b>	<b>659.1034</b>	<b>0.2132</b>	<b>0.0000</b>	<b>664.4326</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4300e-003	5.5200e-003	0.0718	2.2000e-004	0.0259	1.4000e-004	0.0260	6.9000e-003	1.2000e-004	7.0300e-003	0.0000	20.9603	20.9603	5.7000e-004	5.6000e-004	21.1404
<b>Total</b>	<b>8.4300e-003</b>	<b>5.5200e-003</b>	<b>0.0718</b>	<b>2.2000e-004</b>	<b>0.0259</b>	<b>1.4000e-004</b>	<b>0.0260</b>	<b>6.9000e-003</b>	<b>1.2000e-004</b>	<b>7.0300e-003</b>	<b>0.0000</b>	<b>20.9603</b>	<b>20.9603</b>	<b>5.7000e-004</b>	<b>5.6000e-004</b>	<b>21.1404</b>

**3.4 Grading - 2023**Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8270	0.0000	5.8270	1.6668	0.0000	1.6668	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9727	10.3410	6.9672	0.0170		0.4183	0.4183		0.3848	0.3848	0.0000	1,494.6999	1,494.6999	0.4834	0.0000	1,506.7853
<b>Total</b>	<b>0.9727</b>	<b>10.3410</b>	<b>6.9672</b>	<b>0.0170</b>	<b>5.8270</b>	<b>0.4183</b>	<b>6.2453</b>	<b>1.6668</b>	<b>0.3848</b>	<b>2.0517</b>	<b>0.0000</b>	<b>1,494.6999</b>	<b>1,494.6999</b>	<b>0.4834</b>	<b>0.0000</b>	<b>1,506.7853</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.2288	0.0519	1.0400e-003	0.0295	1.9500e-003	0.0315	8.1200e-003	1.8700e-003	9.9900e-003	0.0000	101.4823	101.4823	2.1500e-003	0.0160	106.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1087	3.3000e-004	0.0386	2.0000e-004	0.0388	0.0103	1.8000e-004	0.0104	0.0000	30.3887	30.3887	8.9000e-004	8.4000e-004	30.6624
<b>Total</b>	<b>0.0164</b>	<b>0.2376</b>	<b>0.1606</b>	<b>1.3700e-003</b>	<b>0.0681</b>	<b>2.1500e-003</b>	<b>0.0702</b>	<b>0.0184</b>	<b>2.0500e-003</b>	<b>0.0204</b>	<b>0.0000</b>	<b>131.8710</b>	<b>131.8710</b>	<b>3.0400e-003</b>	<b>0.0169</b>	<b>136.9764</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4911	0.0000	2.4911	0.7126	0.0000	0.7126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9727	10.3410	6.9672	0.0170		0.4183	0.4183		0.3848	0.3848	0.0000	1,494.6981	1,494.6981	0.4834	0.0000	1,506.7835
<b>Total</b>	<b>0.9727</b>	<b>10.3410</b>	<b>6.9672</b>	<b>0.0170</b>	<b>2.4911</b>	<b>0.4183</b>	<b>2.9094</b>	<b>0.7126</b>	<b>0.3848</b>	<b>1.0974</b>	<b>0.0000</b>	<b>1,494.6981</b>	<b>1,494.6981</b>	<b>0.4834</b>	<b>0.0000</b>	<b>1,506.7835</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.2288	0.0519	1.0400e-003	0.0282	1.9500e-003	0.0301	7.8000e-003	1.8700e-003	9.6600e-003	0.0000	101.4823	101.4823	2.1500e-003	0.0160	106.3141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1087	3.3000e-004	0.0366	2.0000e-004	0.0368	9.7600e-003	1.8000e-004	9.9500e-003	0.0000	30.3887	30.3887	8.9000e-004	8.4000e-004	30.6624
<b>Total</b>	<b>0.0164</b>	<b>0.2376</b>	<b>0.1606</b>	<b>1.3700e-003</b>	<b>0.0647</b>	<b>2.1500e-003</b>	<b>0.0669</b>	<b>0.0176</b>	<b>2.0500e-003</b>	<b>0.0196</b>	<b>0.0000</b>	<b>131.8710</b>	<b>131.8710</b>	<b>3.0400e-003</b>	<b>0.0169</b>	<b>136.9764</b>

**3.4 Grading - 2024**Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6340	0.0000	6.6340	2.1104	0.0000	2.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2701	13.0877	9.2256	0.0229		0.5309	0.5309		0.4884	0.4884	0.0000	2,007.4822	2,007.4822	0.6493	0.0000	2,023.7137
<b>Total</b>	<b>1.2701</b>	<b>13.0877</b>	<b>9.2256</b>	<b>0.0229</b>	<b>6.6340</b>	<b>0.5309</b>	<b>7.1649</b>	<b>2.1104</b>	<b>0.4884</b>	<b>2.5988</b>	<b>0.0000</b>	<b>2,007.4822</b>	<b>2,007.4822</b>	<b>0.6493</b>	<b>0.0000</b>	<b>2,023.7137</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.3088	0.0701	1.3700e-003	0.0397	2.6400e-003	0.0423	0.0109	2.5300e-003	0.0134	0.0000	134.3524	134.3524	2.9100e-003	0.0212	140.7516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0105	0.1364	4.3000e-004	0.0518	2.6000e-004	0.0521	0.0138	2.4000e-004	0.0140	0.0000	39.8231	39.8231	1.0900e-003	1.0600e-003	40.1652
<b>Total</b>	<b>0.0208</b>	<b>0.3193</b>	<b>0.2065</b>	<b>1.8000e-003</b>	<b>0.0914</b>	<b>2.9000e-003</b>	<b>0.0944</b>	<b>0.0247</b>	<b>2.7700e-003</b>	<b>0.0275</b>	<b>0.0000</b>	<b>174.1755</b>	<b>174.1755</b>	<b>4.0000e-003</b>	<b>0.0223</b>	<b>180.9168</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8360	0.0000	2.8360	0.9022	0.0000	0.9022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2701	13.0877	9.2256	0.0229		0.5309	0.5309		0.4884	0.4884	0.0000	2,007.4798	2,007.4798	0.6493	0.0000	2,023.7113
<b>Total</b>	<b>1.2701</b>	<b>13.0877</b>	<b>9.2256</b>	<b>0.0229</b>	<b>2.8360</b>	<b>0.5309</b>	<b>3.3670</b>	<b>0.9022</b>	<b>0.4884</b>	<b>1.3906</b>	<b>0.0000</b>	<b>2,007.4798</b>	<b>2,007.4798</b>	<b>0.6493</b>	<b>0.0000</b>	<b>2,023.7113</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.3088	0.0701	1.3700e-003	0.0379	2.6400e-003	0.0405	0.0105	2.5300e-003	0.0130	0.0000	134.3524	134.3524	2.9100e-003	0.0212	140.7516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0105	0.1364	4.3000e-004	0.0491	2.6000e-004	0.0494	0.0131	2.4000e-004	0.0134	0.0000	39.8231	39.8231	1.0900e-003	1.0600e-003	40.1652
<b>Total</b>	<b>0.0208</b>	<b>0.3193</b>	<b>0.2065</b>	<b>1.8000e-003</b>	<b>0.0870</b>	<b>2.9000e-003</b>	<b>0.0899</b>	<b>0.0236</b>	<b>2.7700e-003</b>	<b>0.0264</b>	<b>0.0000</b>	<b>174.1755</b>	<b>174.1755</b>	<b>4.0000e-003</b>	<b>0.0223</b>	<b>180.9168</b>

**3.4 Grading - 2025**Unmitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8632	0.0000	5.8632	1.6867	0.0000	1.6867	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8643	8.5496	6.5427	0.0173		0.3412	0.3412		0.3139	0.3139	0.0000	1,516.6056	1,516.6056	0.4905	0.0000	1,528.8681
<b>Total</b>	<b>0.8643</b>	<b>8.5496</b>	<b>6.5427</b>	<b>0.0173</b>	<b>5.8632</b>	<b>0.3412</b>	<b>6.2044</b>	<b>1.6867</b>	<b>0.3139</b>	<b>2.0006</b>	<b>0.0000</b>	<b>1,516.6056</b>	<b>1,516.6056</b>	<b>0.4905</b>	<b>0.0000</b>	<b>1,528.8681</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.2326	0.0530	1.0200e-003	0.0300	2.0000e-003	0.0320	8.2500e-003	1.9100e-003	0.0102	0.0000	99.6690	99.6690	2.2100e-003	0.0158	104.4183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0114	7.1500e-003	0.0968	3.1000e-004	0.0391	1.9000e-004	0.0393	0.0104	1.7000e-004	0.0106	0.0000	29.3747	29.3747	7.5000e-004	7.5000e-004	29.6165
<b>Total</b>	<b>0.0150</b>	<b>0.2397</b>	<b>0.1498</b>	<b>1.3300e-003</b>	<b>0.0691</b>	<b>2.1900e-003</b>	<b>0.0713</b>	<b>0.0187</b>	<b>2.0800e-003</b>	<b>0.0207</b>	<b>0.0000</b>	<b>129.0437</b>	<b>129.0437</b>	<b>2.9600e-003</b>	<b>0.0165</b>	<b>134.0348</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.5065	0.0000	2.5065	0.7211	0.0000	0.7211	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8643	8.5496	6.5427	0.0173		0.3412	0.3412		0.3139	0.3139	0.0000	1,516.6038	1,516.6038	0.4905	0.0000	1,528.8663
<b>Total</b>	<b>0.8643</b>	<b>8.5496</b>	<b>6.5427</b>	<b>0.0173</b>	<b>2.5065</b>	<b>0.3412</b>	<b>2.8477</b>	<b>0.7211</b>	<b>0.3139</b>	<b>1.0349</b>	<b>0.0000</b>	<b>1,516.6038</b>	<b>1,516.6038</b>	<b>0.4905</b>	<b>0.0000</b>	<b>1,528.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.2326	0.0530	1.0200e-003	0.0286	2.0000e-003	0.0306	7.9200e-003	1.9100e-003	9.8300e-003	0.0000	99.6690	99.6690	2.2100e-003	0.0158	104.4183
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0114	7.1500e-003	0.0968	3.1000e-004	0.0371	1.9000e-004	0.0373	9.9100e-003	1.7000e-004	0.0101	0.0000	29.3747	29.3747	7.5000e-004	7.5000e-004	29.6165
<b>Total</b>	<b>0.0150</b>	<b>0.2397</b>	<b>0.1498</b>	<b>1.3300e-003</b>	<b>0.0657</b>	<b>2.1900e-003</b>	<b>0.0679</b>	<b>0.0178</b>	<b>2.0800e-003</b>	<b>0.0199</b>	<b>0.0000</b>	<b>129.0437</b>	<b>129.0437</b>	<b>2.9600e-003</b>	<b>0.0165</b>	<b>134.0348</b>

**3.5 Infrastructure (Trenching) - 2023**Unmitigated Construction On-Site



## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6731	150.6731	0.0358	0.0000	151.5692
<b>Total</b>	<b>0.1022</b>	<b>0.9350</b>	<b>1.0559</b>	<b>1.7500e-003</b>		<b>0.0455</b>	<b>0.0455</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>150.6731</b>	<b>150.6731</b>	<b>0.0358</b>	<b>0.0000</b>	<b>151.5692</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0116	6.0000e-005	0.0116	3.0800e-003	6.0000e-005	3.1300e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987
<b>Total</b>	<b>3.8300e-003</b>	<b>2.6200e-003</b>	<b>0.0326</b>	<b>1.0000e-004</b>	<b>0.0116</b>	<b>6.0000e-005</b>	<b>0.0116</b>	<b>3.0800e-003</b>	<b>6.0000e-005</b>	<b>3.1300e-003</b>	<b>0.0000</b>	<b>9.1166</b>	<b>9.1166</b>	<b>2.7000e-004</b>	<b>2.5000e-004</b>	<b>9.1987</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1022	0.9350	1.0559	1.7500e-003		0.0455	0.0455		0.0428	0.0428	0.0000	150.6729	150.6729	0.0358	0.0000	151.5690
<b>Total</b>	<b>0.1022</b>	<b>0.9350</b>	<b>1.0559</b>	<b>1.7500e-003</b>		<b>0.0455</b>	<b>0.0455</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>150.6729</b>	<b>150.6729</b>	<b>0.0358</b>	<b>0.0000</b>	<b>151.5690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8300e-003	2.6200e-003	0.0326	1.0000e-004	0.0110	6.0000e-005	0.0110	2.9300e-003	6.0000e-005	2.9800e-003	0.0000	9.1166	9.1166	2.7000e-004	2.5000e-004	9.1987
<b>Total</b>	<b>3.8300e-003</b>	<b>2.6200e-003</b>	<b>0.0326</b>	<b>1.0000e-004</b>	<b>0.0110</b>	<b>6.0000e-005</b>	<b>0.0110</b>	<b>2.9300e-003</b>	<b>6.0000e-005</b>	<b>2.9800e-003</b>	<b>0.0000</b>	<b>9.1166</b>	<b>9.1166</b>	<b>2.7000e-004</b>	<b>2.5000e-004</b>	<b>9.1987</b>

**3.5 Infrastructure (Trenching) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Off-Road	0.3856	3.5223	4.2357	7.0600e-003		0.1607	0.1607		0.1512	0.1512	0.0000	607.4447	607.4447	0.1436	0.0000	611.0357
<b>Total</b>	<b>0.3856</b>	<b>3.5223</b>	<b>4.2357</b>	<b>7.0600e-003</b>		<b>0.1607</b>	<b>0.1607</b>		<b>0.1512</b>	<b>0.1512</b>	<b>0.0000</b>	<b>607.4447</b>	<b>607.4447</b>	<b>0.1436</b>	<b>0.0000</b>	<b>611.0357</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	9.4500e-003	0.1228	3.8000e-004	0.0466	2.3000e-004	0.0468	0.0124	2.1000e-004	0.0126	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487
<b>Total</b>	<b>0.0144</b>	<b>9.4500e-003</b>	<b>0.1228</b>	<b>3.8000e-004</b>	<b>0.0466</b>	<b>2.3000e-004</b>	<b>0.0468</b>	<b>0.0124</b>	<b>2.1000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>35.8408</b>	<b>35.8408</b>	<b>9.8000e-004</b>	<b>9.5000e-004</b>	<b>36.1487</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3856	3.5223	4.2357	7.0600e-003		0.1607	0.1607		0.1512	0.1512	0.0000	607.4439	607.4439	0.1436	0.0000	611.0350
<b>Total</b>	<b>0.3856</b>	<b>3.5223</b>	<b>4.2357</b>	<b>7.0600e-003</b>		<b>0.1607</b>	<b>0.1607</b>		<b>0.1512</b>	<b>0.1512</b>	<b>0.0000</b>	<b>607.4439</b>	<b>607.4439</b>	<b>0.1436</b>	<b>0.0000</b>	<b>611.0350</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	9.4500e-003	0.1228	3.8000e-004	0.0442	2.3000e-004	0.0444	0.0118	2.1000e-004	0.0120	0.0000	35.8408	35.8408	9.8000e-004	9.5000e-004	36.1487
<b>Total</b>	<b>0.0144</b>	<b>9.4500e-003</b>	<b>0.1228</b>	<b>3.8000e-004</b>	<b>0.0442</b>	<b>2.3000e-004</b>	<b>0.0444</b>	<b>0.0118</b>	<b>2.1000e-004</b>	<b>0.0120</b>	<b>0.0000</b>	<b>35.8408</b>	<b>35.8408</b>	<b>9.8000e-004</b>	<b>9.5000e-004</b>	<b>36.1487</b>

## 3.5 Infrastructure (Trenching) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0135	8.4800e-003	0.1148	3.7000e-004	0.0464	2.2000e-004	0.0467	0.0124	2.0000e-004	0.0126	0.0000	34.8491	34.8491	8.9000e-004	8.9000e-004	35.1360
<b>Total</b>	<b>0.0135</b>	<b>8.4800e-003</b>	<b>0.1148</b>	<b>3.7000e-004</b>	<b>0.0464</b>	<b>2.2000e-004</b>	<b>0.0467</b>	<b>0.0124</b>	<b>2.0000e-004</b>	<b>0.0126</b>	<b>0.0000</b>	<b>34.8491</b>	<b>34.8491</b>	<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>35.1360</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0135	8.4800e-003	0.1148	3.7000e-004	0.0440	2.2000e-004	0.0443	0.0118	2.0000e-004	0.0120	0.0000	34.8491	34.8491	8.9000e-004	8.9000e-004	35.1360
<b>Total</b>	<b>0.0135</b>	<b>8.4800e-003</b>	<b>0.1148</b>	<b>3.7000e-004</b>	<b>0.0440</b>	<b>2.2000e-004</b>	<b>0.0443</b>	<b>0.0118</b>	<b>2.0000e-004</b>	<b>0.0120</b>	<b>0.0000</b>	<b>34.8491</b>	<b>34.8491</b>	<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>35.1360</b>

## 3.5 Infrastructure (Trenching) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2379	2.1697	2.7987	4.6900e-003		0.0918	0.0918		0.0864	0.0864	0.0000	403.5399	403.5399	0.0949	0.0000	405.9113

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.2379	2.1697	2.7987	4.6900e-003		0.0918	0.0918		0.0864	0.0864	0.0000	403.5399	403.5399	0.0949	0.0000	405.9113
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0310	1.4000e-004	0.0311	8.2300e-003	1.3000e-004	8.3600e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808
Total	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0310	1.4000e-004	0.0311	8.2300e-003	1.3000e-004	8.3600e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2379	2.1697	2.7987	4.6900e-003		0.0918	0.0918		0.0864	0.0864	0.0000	403.5394	403.5394	0.0949	0.0000	405.9109
Total	0.2379	2.1697	2.7987	4.6900e-003		0.0918	0.0918		0.0864	0.0864	0.0000	403.5394	403.5394	0.0949	0.0000	405.9109

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0294	1.4000e-004	0.0295	7.8400e-003	1.3000e-004	7.9700e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808
Total	8.4800e-003	5.1500e-003	0.0724	2.4000e-004	0.0294	1.4000e-004	0.0295	7.8400e-003	1.3000e-004	7.9700e-003	0.0000	22.7005	22.7005	5.4000e-004	5.6000e-004	22.8808

## 3.6 Building Construction (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000	1,107.4829	1,107.4829	0.3108	0.0000	1,115.2535
Total	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000	1,107.4829	1,107.4829	0.3108	0.0000	1,115.2535

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0368	1.6389	0.4843	7.3400e-003	0.2453	9.9400e-003	0.2552	0.0710	9.5100e-003	0.0805	0.0000	711.0761	711.0761	9.8300e-003	0.1065	743.0706
Worker	0.3046	0.1996	2.5944	8.0900e-003	0.9850	4.8900e-003	0.9899	0.2620	4.5000e-003	0.2665	0.0000	757.4356	757.4356	0.0208	0.0201	763.9418
<b>Total</b>	<b>0.3414</b>	<b>1.8385</b>	<b>3.0788</b>	<b>0.0154</b>	<b>1.2303</b>	<b>0.0148</b>	<b>1.2451</b>	<b>0.3330</b>	<b>0.0140</b>	<b>0.3470</b>	<b>0.0000</b>	<b>1,468.5117</b>	<b>1,468.5117</b>	<b>0.0306</b>	<b>0.1266</b>	<b>1,507.0124</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000	1,107.4816	1,107.4816	0.3108	0.0000	1,115.2522
<b>Total</b>	<b>0.6136</b>	<b>5.8368</b>	<b>7.8497</b>	<b>0.0127</b>		<b>0.2772</b>	<b>0.2772</b>		<b>0.2579</b>	<b>0.2579</b>	<b>0.0000</b>	<b>1,107.4816</b>	<b>1,107.4816</b>	<b>0.3108</b>	<b>0.0000</b>	<b>1,115.2522</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0368	1.6389	0.4843	7.3400e-003	0.2349	9.9400e-003	0.2449	0.0684	9.5100e-003	0.0779	0.0000	711.0761	711.0761	9.8300e-003	0.1065	743.0706
Worker	0.3046	0.1996	2.5944	8.0900e-003	0.9340	4.8900e-003	0.9389	0.2495	4.5000e-003	0.2540	0.0000	757.4356	757.4356	0.0208	0.0201	763.9418
<b>Total</b>	<b>0.3414</b>	<b>1.8385</b>	<b>3.0788</b>	<b>0.0154</b>	<b>1.1689</b>	<b>0.0148</b>	<b>1.1837</b>	<b>0.3179</b>	<b>0.0140</b>	<b>0.3319</b>	<b>0.0000</b>	<b>1,468.5117</b>	<b>1,468.5117</b>	<b>0.0306</b>	<b>0.1266</b>	<b>1,507.0124</b>

**3.6 Building Construction (Commercial) - 2025**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5671	5.3193	7.7874	0.0127		0.2416	0.2416		0.2247	0.2247	0.0000	1,103.2495	1,103.2495	0.3089	0.0000	1,110.9731
<b>Total</b>	<b>0.5671</b>	<b>5.3193</b>	<b>7.7874</b>	<b>0.0127</b>		<b>0.2416</b>	<b>0.2416</b>		<b>0.2247</b>	<b>0.2247</b>	<b>0.0000</b>	<b>1,103.2495</b>	<b>1,103.2495</b>	<b>0.3089</b>	<b>0.0000</b>	<b>1,110.9731</b>

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5671	5.3193	7.7874	0.0127		0.2416	0.2416		0.2247	0.2247	0.0000	1,103.2482	1,103.2482	0.3089	0.0000	1,110.9718
<b>Total</b>	<b>0.5671</b>	<b>5.3193</b>	<b>7.7874</b>	<b>0.0127</b>		<b>0.2416</b>	<b>0.2416</b>		<b>0.2247</b>	<b>0.2247</b>	<b>0.0000</b>	<b>1,103.2482</b>	<b>1,103.2482</b>	<b>0.3089</b>	<b>0.0000</b>	<b>1,110.9718</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

**3.6 Building Construction (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3780	3.5462	5.1916	8.4400e-003		0.1611	0.1611		0.1498	0.1498	0.0000	735.4997	735.4997	0.2060	0.0000	740.6488
<b>Total</b>	<b>0.3780</b>	<b>3.5462</b>	<b>5.1916</b>	<b>8.4400e-003</b>		<b>0.1611</b>	<b>0.1611</b>		<b>0.1498</b>	<b>0.1498</b>	<b>0.0000</b>	<b>735.4997</b>	<b>735.4997</b>	<b>0.2060</b>	<b>0.0000</b>	<b>740.6488</b>

**Unmitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0235	1.0841	0.3122	4.7000e-003	0.1629	6.5800e-003	0.1695	0.0471	6.2900e-003	0.0534	0.0000	455.3221	455.3221	6.5300e-003	0.0683	475.8271
Worker	0.1792	0.1088	1.5294	5.0300e-003	0.6542	2.9600e-003	0.6571	0.1740	2.7300e-003	0.1768	0.0000	479.7363	479.7363	0.0115	0.0118	483.5471
<b>Total</b>	<b>0.2027</b>	<b>1.1929</b>	<b>1.8416</b>	<b>9.7300e-003</b>	<b>0.8171</b>	<b>9.5400e-003</b>	<b>0.8266</b>	<b>0.2211</b>	<b>9.0200e-003</b>	<b>0.2302</b>	<b>0.0000</b>	<b>935.0584</b>	<b>935.0584</b>	<b>0.0180</b>	<b>0.0801</b>	<b>959.3742</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3780	3.5462	5.1916	8.4400e-003		0.1611	0.1611		0.1498	0.1498	0.0000	735.4988	735.4988	0.2060	0.0000	740.6479
<b>Total</b>	<b>0.3780</b>	<b>3.5462</b>	<b>5.1916</b>	<b>8.4400e-003</b>		<b>0.1611</b>	<b>0.1611</b>		<b>0.1498</b>	<b>0.1498</b>	<b>0.0000</b>	<b>735.4988</b>	<b>735.4988</b>	<b>0.2060</b>	<b>0.0000</b>	<b>740.6479</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0235	1.0841	0.3122	4.7000e-003	0.1560	6.5800e-003	0.1626	0.0454	6.2900e-003	0.0517	0.0000	455.3221	455.3221	6.5300e-003	0.0683	475.8271
Worker	0.1792	0.1088	1.5294	5.0300e-003	0.6203	2.9600e-003	0.6232	0.1657	2.7300e-003	0.1684	0.0000	479.7363	479.7363	0.0115	0.0118	483.5471
<b>Total</b>	<b>0.2027</b>	<b>1.1929</b>	<b>1.8416</b>	<b>9.7300e-003</b>	<b>0.7763</b>	<b>9.5400e-003</b>	<b>0.7858</b>	<b>0.2111</b>	<b>9.0200e-003</b>	<b>0.2202</b>	<b>0.0000</b>	<b>935.0584</b>	<b>935.0584</b>	<b>0.0180</b>	<b>0.0801</b>	<b>959.3742</b>

**3.7 Paving (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2046	1.8801	2.8763	4.5100e-003		0.0927	0.0927		0.0861	0.0861	0.0000	395.1462	395.1462	0.1159	0.0000	398.0428
Paving	7.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2123</b>	<b>1.8801</b>	<b>2.8763</b>	<b>4.5100e-003</b>		<b>0.0927</b>	<b>0.0927</b>		<b>0.0861</b>	<b>0.0861</b>	<b>0.0000</b>	<b>395.1462</b>	<b>395.1462</b>	<b>0.1159</b>	<b>0.0000</b>	<b>398.0428</b>

**Unmitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4900e-003	4.9100e-003	0.0638	2.0000e-004	0.0242	1.2000e-004	0.0243	6.4400e-003	1.1000e-004	6.5500e-003	0.0000	18.6196	18.6196	5.1000e-004	4.9000e-004	18.7795
<b>Total</b>	<b>7.4900e-003</b>	<b>4.9100e-003</b>	<b>0.0638</b>	<b>2.0000e-004</b>	<b>0.0242</b>	<b>1.2000e-004</b>	<b>0.0243</b>	<b>6.4400e-003</b>	<b>1.1000e-004</b>	<b>6.5500e-003</b>	<b>0.0000</b>	<b>18.6196</b>	<b>18.6196</b>	<b>5.1000e-004</b>	<b>4.9000e-004</b>	<b>18.7795</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2046	1.8801	2.8763	4.5100e-003		0.0927	0.0927		0.0861	0.0861	0.0000	395.1458	395.1458	0.1159	0.0000	398.0424
Paving	7.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2123</b>	<b>1.8801</b>	<b>2.8763</b>	<b>4.5100e-003</b>		<b>0.0927</b>	<b>0.0927</b>		<b>0.0861</b>	<b>0.0861</b>	<b>0.0000</b>	<b>395.1458</b>	<b>395.1458</b>	<b>0.1159</b>	<b>0.0000</b>	<b>398.0424</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4900e-003	4.9100e-003	0.0638	2.0000e-004	0.0230	1.2000e-004	0.0231	6.1300e-003	1.1000e-004	6.2400e-003	0.0000	18.6196	18.6196	5.1000e-004	4.9000e-004	18.7795
<b>Total</b>	<b>7.4900e-003</b>	<b>4.9100e-003</b>	<b>0.0638</b>	<b>2.0000e-004</b>	<b>0.0230</b>	<b>1.2000e-004</b>	<b>0.0231</b>	<b>6.1300e-003</b>	<b>1.1000e-004</b>	<b>6.2400e-003</b>	<b>0.0000</b>	<b>18.6196</b>	<b>18.6196</b>	<b>5.1000e-004</b>	<b>4.9000e-004</b>	<b>18.7795</b>

**3.7 Paving (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2835	2.5388	4.2770	6.7300e-003		0.1227	0.1227		0.1139	0.1139	0.0000	589.1425	589.1425	0.1726	0.0000	593.4581
Paving	0.0115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2950</b>	<b>2.5388</b>	<b>4.2770</b>	<b>6.7300e-003</b>		<b>0.1227</b>	<b>0.1227</b>		<b>0.1139</b>	<b>0.1139</b>	<b>0.0000</b>	<b>589.1425</b>	<b>589.1425</b>	<b>0.1726</b>	<b>0.0000</b>	<b>593.4581</b>

**Unmitigated Construction Off-Site**



## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	6.6000e-003	0.0893	2.9000e-004	0.0361	1.7000e-004	0.0363	9.6100e-003	1.6000e-004	9.7600e-003	0.0000	27.1048	27.1048	6.9000e-004	6.9000e-004	27.3280
<b>Total</b>	<b>0.0105</b>	<b>6.6000e-003</b>	<b>0.0893</b>	<b>2.9000e-004</b>	<b>0.0361</b>	<b>1.7000e-004</b>	<b>0.0363</b>	<b>9.6100e-003</b>	<b>1.6000e-004</b>	<b>9.7600e-003</b>	<b>0.0000</b>	<b>27.1048</b>	<b>27.1048</b>	<b>6.9000e-004</b>	<b>6.9000e-004</b>	<b>27.3280</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2835	2.5388	4.2770	6.7300e-003		0.1227	0.1227		0.1139	0.1139	0.0000	589.1418	589.1418	0.1726	0.0000	593.4574
Paving	0.0115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2950</b>	<b>2.5388</b>	<b>4.2770</b>	<b>6.7300e-003</b>		<b>0.1227</b>	<b>0.1227</b>		<b>0.1139</b>	<b>0.1139</b>	<b>0.0000</b>	<b>589.1418</b>	<b>589.1418</b>	<b>0.1726</b>	<b>0.0000</b>	<b>593.4574</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0105	6.6000e-003	0.0893	2.9000e-004	0.0342	1.7000e-004	0.0344	9.1500e-003	1.6000e-004	9.3100e-003	0.0000	27.1048	27.1048	6.9000e-004	6.9000e-004	27.3280
<b>Total</b>	<b>0.0105</b>	<b>6.6000e-003</b>	<b>0.0893</b>	<b>2.9000e-004</b>	<b>0.0342</b>	<b>1.7000e-004</b>	<b>0.0344</b>	<b>9.1500e-003</b>	<b>1.6000e-004</b>	<b>9.3100e-003</b>	<b>0.0000</b>	<b>27.1048</b>	<b>27.1048</b>	<b>6.9000e-004</b>	<b>6.9000e-004</b>	<b>27.3280</b>

**3.7 Paving (Commercial) - 2026**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1173	1.0505	1.7698	2.7800e-003		0.0508	0.0508		0.0472	0.0472	0.0000	243.7831	243.7831	0.0714	0.0000	245.5689
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1221</b>	<b>1.0505</b>	<b>1.7698</b>	<b>2.7800e-003</b>		<b>0.0508</b>	<b>0.0508</b>		<b>0.0472</b>	<b>0.0472</b>	<b>0.0000</b>	<b>243.7831</b>	<b>243.7831</b>	<b>0.0714</b>	<b>0.0000</b>	<b>245.5689</b>

Unmitigated Construction Off-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0149	7.0000e-005	0.0150	3.9800e-003	6.0000e-005	4.0400e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459
<b>Total</b>	<b>4.0900e-003</b>	<b>2.4900e-003</b>	<b>0.0349</b>	<b>1.2000e-004</b>	<b>0.0149</b>	<b>7.0000e-005</b>	<b>0.0150</b>	<b>3.9800e-003</b>	<b>6.0000e-005</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>10.9588</b>	<b>10.9588</b>	<b>2.6000e-004</b>	<b>2.7000e-004</b>	<b>11.0459</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1173	1.0505	1.7698	2.7800e-003		0.0508	0.0508		0.0472	0.0472	0.0000	243.7828	243.7828	0.0714	0.0000	245.5686
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1221</b>	<b>1.0505</b>	<b>1.7698</b>	<b>2.7800e-003</b>		<b>0.0508</b>	<b>0.0508</b>		<b>0.0472</b>	<b>0.0472</b>	<b>0.0000</b>	<b>243.7828</b>	<b>243.7828</b>	<b>0.0714</b>	<b>0.0000</b>	<b>245.5686</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0900e-003	2.4900e-003	0.0349	1.2000e-004	0.0142	7.0000e-005	0.0142	3.7900e-003	6.0000e-005	3.8500e-003	0.0000	10.9588	10.9588	2.6000e-004	2.7000e-004	11.0459
<b>Total</b>	<b>4.0900e-003</b>	<b>2.4900e-003</b>	<b>0.0349</b>	<b>1.2000e-004</b>	<b>0.0142</b>	<b>7.0000e-005</b>	<b>0.0142</b>	<b>3.7900e-003</b>	<b>6.0000e-005</b>	<b>3.8500e-003</b>	<b>0.0000</b>	<b>10.9588</b>	<b>10.9588</b>	<b>2.6000e-004</b>	<b>2.7000e-004</b>	<b>11.0459</b>

**3.8 Building Construction (Apartment) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940
<b>Total</b>	<b>0.2237</b>	<b>2.0435</b>	<b>2.4574</b>	<b>4.1000e-003</b>		<b>0.0932</b>	<b>0.0932</b>		<b>0.0877</b>	<b>0.0877</b>	<b>0.0000</b>	<b>352.4106</b>	<b>352.4106</b>	<b>0.0833</b>	<b>0.0000</b>	<b>354.4940</b>

**Unmitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1423	5.7700e-003	0.1481	0.0412	5.5200e-003	0.0467	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5715	2.8400e-003	0.5743	0.1520	2.6100e-003	0.1546	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.7138</b>	<b>8.6100e-003</b>	<b>0.7224</b>	<b>0.1932</b>	<b>8.1300e-003</b>	<b>0.2013</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936
<b>Total</b>	<b>0.2237</b>	<b>2.0435</b>	<b>2.4574</b>	<b>4.1000e-003</b>		<b>0.0932</b>	<b>0.0932</b>		<b>0.0877</b>	<b>0.0877</b>	<b>0.0000</b>	<b>352.4102</b>	<b>352.4102</b>	<b>0.0833</b>	<b>0.0000</b>	<b>354.4936</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1363	5.7700e-003	0.1421	0.0397	5.5200e-003	0.0452	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5418	2.8400e-003	0.5447	0.1448	2.6100e-003	0.1474	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.6781</b>	<b>8.6100e-003</b>	<b>0.6867</b>	<b>0.1844</b>	<b>8.1300e-003</b>	<b>0.1926</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

**3.8 Building Construction (Apartment) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

**Unmitigated Construction Off-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6600e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.2256</b>	<b>0.0146</b>	<b>1.2402</b>	<b>0.3317</b>	<b>0.0138</b>	<b>0.3455</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
<b>Total</b>	<b>0.3207</b>	<b>1.8104</b>	<b>2.9014</b>	<b>0.0150</b>	<b>1.1644</b>	<b>0.0146</b>	<b>1.1790</b>	<b>0.3167</b>	<b>0.0138</b>	<b>0.3305</b>	<b>0.0000</b>	<b>1,432.2177</b>	<b>1,432.2177</b>	<b>0.0286</b>	<b>0.1231</b>	<b>1,469.6017</b>

## 3.8 Building Construction (Apartment) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2443	9.8700e-003	0.2542	0.0707	9.4400e-003	0.0801	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9813	4.4400e-003	0.9857	0.2610	4.0900e-003	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.2256</b>	<b>0.0143</b>	<b>1.2399</b>	<b>0.3317</b>	<b>0.0135</b>	<b>0.3452</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2340	9.8700e-003	0.2439	0.0682	9.4400e-003	0.0776	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9304	4.4400e-003	0.9348	0.2486	4.0900e-003	0.2526	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.1644</b>	<b>0.0143</b>	<b>1.1787</b>	<b>0.3167</b>	<b>0.0135</b>	<b>0.3302</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

**3.8 Building Construction (Apartment) - 2027**Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0889	0.8105	1.0455	1.7500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	150.7476	150.7476	0.0354	0.0000	151.6336
<b>Total</b>	<b>0.0889</b>	<b>0.8105</b>	<b>1.0455</b>	<b>1.7500e-003</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0323</b>	<b>0.0323</b>	<b>0.0000</b>	<b>150.7476</b>	<b>150.7476</b>	<b>0.0354</b>	<b>0.0000</b>	<b>151.6336</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6300e-003	0.4031	0.1153	1.7200e-003	0.0609	2.4400e-003	0.0633	0.0176	2.3300e-003	0.0199	0.0000	166.6701	166.6701	2.4300e-003	0.0250	174.1789
Worker	0.0633	0.0373	0.5433	1.8300e-003	0.2444	1.0400e-003	0.2454	0.0650	9.6000e-004	0.0660	0.0000	175.3855	175.3855	3.9300e-003	4.2000e-003	176.7363
<b>Total</b>	<b>0.0719</b>	<b>0.4404</b>	<b>0.6585</b>	<b>3.5500e-003</b>	<b>0.3052</b>	<b>3.4800e-003</b>	<b>0.3087</b>	<b>0.0826</b>	<b>3.2900e-003</b>	<b>0.0859</b>	<b>0.0000</b>	<b>342.0557</b>	<b>342.0557</b>	<b>6.3600e-003</b>	<b>0.0292</b>	<b>350.9152</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0889	0.8105	1.0455	1.7500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	150.7475	150.7475	0.0354	0.0000	151.6334
<b>Total</b>	<b>0.0889</b>	<b>0.8105</b>	<b>1.0455</b>	<b>1.7500e-003</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0323</b>	<b>0.0323</b>	<b>0.0000</b>	<b>150.7475</b>	<b>150.7475</b>	<b>0.0354</b>	<b>0.0000</b>	<b>151.6334</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.6300e-003	0.4031	0.1153	1.7200e-003	0.0583	2.4400e-003	0.0607	0.0170	2.3300e-003	0.0193	0.0000	166.6701	166.6701	2.4300e-003	0.0250	174.1789
Worker	0.0633	0.0373	0.5433	1.8300e-003	0.2317	1.0400e-003	0.2328	0.0619	9.6000e-004	0.0629	0.0000	175.3855	175.3855	3.9300e-003	4.2000e-003	176.7363
<b>Total</b>	<b>0.0719</b>	<b>0.4404</b>	<b>0.6585</b>	<b>3.5500e-003</b>	<b>0.2900</b>	<b>3.4800e-003</b>	<b>0.2935</b>	<b>0.0789</b>	<b>3.2900e-003</b>	<b>0.0822</b>	<b>0.0000</b>	<b>342.0557</b>	<b>342.0557</b>	<b>6.3600e-003</b>	<b>0.0292</b>	<b>350.9152</b>

## 3.9 Building Construction (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940
<b>Total</b>	<b>0.2237</b>	<b>2.0435</b>	<b>2.4574</b>	<b>4.1000e-003</b>		<b>0.0932</b>	<b>0.0932</b>		<b>0.0877</b>	<b>0.0877</b>	<b>0.0000</b>	<b>352.4106</b>	<b>352.4106</b>	<b>0.0833</b>	<b>0.0000</b>	<b>354.4940</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1423	5.7700e-003	0.1481	0.0412	5.5200e-003	0.0467	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5715	2.8400e-003	0.5743	0.1520	2.6100e-003	0.1546	0.0000	439.4263	439.4263	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.7138</b>	<b>8.6100e-003</b>	<b>0.7224</b>	<b>0.1932</b>	<b>8.1300e-003</b>	<b>0.2013</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2237	2.0435	2.4574	4.1000e-003		0.0932	0.0932		0.0877	0.0877	0.0000	352.4102	352.4102	0.0833	0.0000	354.4936
<b>Total</b>	<b>0.2237</b>	<b>2.0435</b>	<b>2.4574</b>	<b>4.1000e-003</b>		<b>0.0932</b>	<b>0.0932</b>		<b>0.0877</b>	<b>0.0877</b>	<b>0.0000</b>	<b>352.4102</b>	<b>352.4102</b>	<b>0.0833</b>	<b>0.0000</b>	<b>354.4936</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0214	0.9508	0.2810	4.2600e-003	0.1363	5.7700e-003	0.1421	0.0397	5.5200e-003	0.0452	0.0000	412.5327	412.5327	5.7000e-003	0.0618	431.0944
Worker	0.1767	0.1158	1.5052	4.7000e-003	0.5418	2.8400e-003	0.5447	0.1448	2.6100e-003	0.1474	0.0000	439.4263	439.4263	0.0120	0.0117	443.2029
<b>Total</b>	<b>0.1981</b>	<b>1.0666</b>	<b>1.7862</b>	<b>8.9600e-003</b>	<b>0.6781</b>	<b>8.6100e-003</b>	<b>0.6867</b>	<b>0.1844</b>	<b>8.1300e-003</b>	<b>0.1926</b>	<b>0.0000</b>	<b>851.9610</b>	<b>851.9610</b>	<b>0.0177</b>	<b>0.0735</b>	<b>874.2973</b>

## 3.9 Building Construction (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2443	9.9100e-003	0.2543	0.0707	9.4800e-003	0.0802	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9813	4.6800e-003	0.9859	0.2610	4.2900e-003	0.2653	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.3207	1.8104	2.9014	0.0150	1.2256	0.0146	1.2402	0.3317	0.0138	0.3455	0.0000	1,432.2177	1,432.2177	0.0286	0.1231	1,469.6017
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
Total	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0359	1.6312	0.4747	7.1800e-003	0.2340	9.9100e-003	0.2439	0.0682	9.4800e-003	0.0776	0.0000	695.7412	695.7412	9.7900e-003	0.1043	727.0620
Worker	0.2848	0.1792	2.4267	7.7900e-003	0.9304	4.6600e-003	0.9351	0.2486	4.2900e-003	0.2528	0.0000	736.4765	736.4765	0.0188	0.0188	742.5397
Total	0.3207	1.8104	2.9014	0.0150	1.1644	0.0146	1.1790	0.3167	0.0138	0.3305	0.0000	1,432.2177	1,432.2177	0.0286	0.1231	1,469.6017

## 3.9 Building Construction (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
Total	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2443	9.8700e-003	0.2542	0.0707	9.4400e-003	0.0801	0.0000	682.9832	682.9832	9.7900e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9813	4.4400e-003	0.9857	0.2610	4.0900e-003	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
Total	0.3040	1.7893	2.7624	0.0146	1.2256	0.0143	1.2399	0.3317	0.0135	0.3452	0.0000	1,402.5876	1,402.5876	0.0270	0.1201	1,439.0613



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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.6261	0.4684	7.0500e-003	0.2340	9.8700e-003	0.2439	0.0682	9.4400e-003	0.0776	0.0000	682.9832	682.9832	9.7300e-003	0.1024	713.7407
Worker	0.2688	0.1632	2.2941	7.5500e-003	0.9304	4.4400e-003	0.9348	0.2486	4.0900e-003	0.2526	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
<b>Total</b>	<b>0.3040</b>	<b>1.7893</b>	<b>2.7624</b>	<b>0.0146</b>	<b>1.1644</b>	<b>0.0143</b>	<b>1.1787</b>	<b>0.3167</b>	<b>0.0135</b>	<b>0.3302</b>	<b>0.0000</b>	<b>1,402.5876</b>	<b>1,402.5876</b>	<b>0.0270</b>	<b>0.1201</b>	<b>1,439.0613</b>

## 3.9 Building Construction (For Sale) - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3098</b>	<b>605.3098</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8670</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0346	1.6186	0.4629	6.9100e-003	0.2444	9.8000e-003	0.2542	0.0707	9.3700e-003	0.0801	0.0000	669.2447	669.2447	9.7500e-003	0.1004	699.3952
Worker	0.2540	0.1497	2.1814	7.3300e-003	0.9813	4.1900e-003	0.9855	0.2610	3.8600e-003	0.2649	0.0000	704.2403	704.2403	0.0158	0.0169	709.6642
<b>Total</b>	<b>0.2887</b>	<b>1.7683</b>	<b>2.6443</b>	<b>0.0142</b>	<b>1.2256</b>	<b>0.0140</b>	<b>1.2396</b>	<b>0.3317</b>	<b>0.0132</b>	<b>0.3450</b>	<b>0.0000</b>	<b>1,373.4850</b>	<b>1,373.4850</b>	<b>0.0255</b>	<b>0.1172</b>	<b>1,409.0593</b>

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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3569	3.2546	4.1981	7.0400e-003		0.1377	0.1377		0.1295	0.1295	0.0000	605.3091	605.3091	0.1423	0.0000	608.8663
<b>Total</b>	<b>0.3569</b>	<b>3.2546</b>	<b>4.1981</b>	<b>7.0400e-003</b>		<b>0.1377</b>	<b>0.1377</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>605.3091</b>	<b>605.3091</b>	<b>0.1423</b>	<b>0.0000</b>	<b>608.8663</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0346	1.6186	0.4629	6.9100e-003	0.2341	9.8000e-003	0.2439	0.0682	9.3700e-003	0.0775	0.0000	669.2447	669.2447	9.7500e-003	0.1004	699.3952
Worker	0.2540	0.1497	2.1814	7.3300e-003	0.9304	4.1900e-003	0.9346	0.2486	3.8600e-003	0.2524	0.0000	704.2403	704.2403	0.0158	0.0169	709.6642
<b>Total</b>	<b>0.2887</b>	<b>1.7683</b>	<b>2.6443</b>	<b>0.0142</b>	<b>1.1645</b>	<b>0.0140</b>	<b>1.1784</b>	<b>0.3167</b>	<b>0.0132</b>	<b>0.3299</b>	<b>0.0000</b>	<b>1,373.4850</b>	<b>1,373.4850</b>	<b>0.0255</b>	<b>0.1172</b>	<b>1,409.0593</b>

**3.9 Building Construction (For Sale) - 2028****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1491	1.3592	1.7532	2.9400e-003		0.0575	0.0575		0.0541	0.0541	0.0000	252.7922	252.7922	0.0594	0.0000	254.2778
<b>Total</b>	<b>0.1491</b>	<b>1.3592</b>	<b>1.7532</b>	<b>2.9400e-003</b>		<b>0.0575</b>	<b>0.0575</b>		<b>0.0541</b>	<b>0.0541</b>	<b>0.0000</b>	<b>252.7922</b>	<b>252.7922</b>	<b>0.0594</b>	<b>0.0000</b>	<b>254.2778</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.6736	0.1916	2.8300e-003	0.1021	4.0600e-003	0.1061	0.0295	3.8900e-003	0.0334	0.0000	273.9149	273.9149	4.0600e-003	0.0411	286.2571
Worker	0.1003	0.0578	0.8713	2.9800e-003	0.4098	1.6400e-003	0.4114	0.1090	1.5100e-003	0.1105	0.0000	288.3921	288.3921	6.0800e-003	6.7500e-003	290.5545
<b>Total</b>	<b>0.1146</b>	<b>0.7314</b>	<b>1.0629</b>	<b>5.8100e-003</b>	<b>0.5119</b>	<b>5.7000e-003</b>	<b>0.5176</b>	<b>0.1385</b>	<b>5.4000e-003</b>	<b>0.1439</b>	<b>0.0000</b>	<b>562.3069</b>	<b>562.3069</b>	<b>0.0101</b>	<b>0.0478</b>	<b>576.8116</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1491	1.3592	1.7532	2.9400e-003		0.0575	0.0575		0.0541	0.0541	0.0000	252.7919	252.7919	0.0594	0.0000	254.2775
<b>Total</b>	<b>0.1491</b>	<b>1.3592</b>	<b>1.7532</b>	<b>2.9400e-003</b>		<b>0.0575</b>	<b>0.0575</b>		<b>0.0541</b>	<b>0.0541</b>	<b>0.0000</b>	<b>252.7919</b>	<b>252.7919</b>	<b>0.0594</b>	<b>0.0000</b>	<b>254.2775</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.6736	0.1916	2.8300e-003	0.0978	4.0600e-003	0.1018	0.0285	3.8900e-003	0.0324	0.0000	273.9149	273.9149	4.0600e-003	0.0411	286.2571
Worker	0.1003	0.0578	0.8713	2.9800e-003	0.3886	1.6400e-003	0.3902	0.1038	1.5100e-003	0.1053	0.0000	288.3921	288.3921	6.0800e-003	6.7500e-003	290.5545
<b>Total</b>	<b>0.1146</b>	<b>0.7314</b>	<b>1.0629</b>	<b>5.8100e-003</b>	<b>0.4863</b>	<b>5.7000e-003</b>	<b>0.4920</b>	<b>0.1323</b>	<b>5.4000e-003</b>	<b>0.1377</b>	<b>0.0000</b>	<b>562.3069</b>	<b>562.3069</b>	<b>0.0101</b>	<b>0.0478</b>	<b>576.8116</b>

**3.10 Paving (For Sale) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0652	0.6286	0.9653	1.5100e-003		0.0309	0.0309		0.0285	0.0285	0.0000	132.1751	132.1751	0.0428	0.0000	133.2438
Paving	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0693</b>	<b>0.6286</b>	<b>0.9653</b>	<b>1.5100e-003</b>		<b>0.0309</b>	<b>0.0309</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>132.1751</b>	<b>132.1751</b>	<b>0.0428</b>	<b>0.0000</b>	<b>133.2438</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.8300e-003	4.0000e-005	7.8700e-003	2.0800e-003	4.0000e-005	2.1200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708
<b>Total</b>	<b>2.4200e-003</b>	<b>1.5900e-003</b>	<b>0.0206</b>	<b>6.0000e-005</b>	<b>7.8300e-003</b>	<b>4.0000e-005</b>	<b>7.8700e-003</b>	<b>2.0800e-003</b>	<b>4.0000e-005</b>	<b>2.1200e-003</b>	<b>0.0000</b>	<b>6.0191</b>	<b>6.0191</b>	<b>1.6000e-004</b>	<b>1.6000e-004</b>	<b>6.0708</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0652	0.6286	0.9653	1.5100e-003		0.0309	0.0309		0.0285	0.0285	0.0000	132.1750	132.1750	0.0428	0.0000	133.2437
Paving	4.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0693</b>	<b>0.6286</b>	<b>0.9653</b>	<b>1.5100e-003</b>		<b>0.0309</b>	<b>0.0309</b>		<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>132.1750</b>	<b>132.1750</b>	<b>0.0428</b>	<b>0.0000</b>	<b>133.2437</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.5900e-003	0.0206	6.0000e-005	7.4200e-003	4.0000e-005	7.4600e-003	1.9800e-003	4.0000e-005	2.0200e-003	0.0000	6.0191	6.0191	1.6000e-004	1.6000e-004	6.0708
<b>Total</b>	<b>2.4200e-003</b>	<b>1.5900e-003</b>	<b>0.0206</b>	<b>6.0000e-005</b>	<b>7.4200e-003</b>	<b>4.0000e-005</b>	<b>7.4600e-003</b>	<b>1.9800e-003</b>	<b>4.0000e-005</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>6.0191</b>	<b>6.0191</b>	<b>1.6000e-004</b>	<b>1.6000e-004</b>	<b>6.0708</b>

**3.10 Paving (For Sale) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2389	2.2398	3.8049	5.9500e-003		0.1092	0.1092		0.1005	0.1005	0.0000	522.5026	522.5026	0.1690	0.0000	526.7273
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2548</b>	<b>2.2398</b>	<b>3.8049</b>	<b>5.9500e-003</b>		<b>0.1092</b>	<b>0.1092</b>		<b>0.1005</b>	<b>0.1005</b>	<b>0.0000</b>	<b>522.5026</b>	<b>522.5026</b>	<b>0.1690</b>	<b>0.0000</b>	<b>526.7273</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0310	1.5000e-004	0.0311	8.2300e-003	1.4000e-004	8.3700e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240
<b>Total</b>	<b>8.9900e-003</b>	<b>5.6500e-003</b>	<b>0.0766</b>	<b>2.5000e-004</b>	<b>0.0310</b>	<b>1.5000e-004</b>	<b>0.0311</b>	<b>8.2300e-003</b>	<b>1.4000e-004</b>	<b>8.3700e-003</b>	<b>0.0000</b>	<b>23.2327</b>	<b>23.2327</b>	<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>23.4240</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2389	2.2398	3.8048	5.9500e-003		0.1092	0.1092		0.1005	0.1005	0.0000	522.5019	522.5019	0.1690	0.0000	526.7266
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2548</b>	<b>2.2398</b>	<b>3.8048</b>	<b>5.9500e-003</b>		<b>0.1092</b>	<b>0.1092</b>		<b>0.1005</b>	<b>0.1005</b>	<b>0.0000</b>	<b>522.5019</b>	<b>522.5019</b>	<b>0.1690</b>	<b>0.0000</b>	<b>526.7266</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9900e-003	5.6500e-003	0.0766	2.5000e-004	0.0294	1.5000e-004	0.0295	7.8400e-003	1.4000e-004	7.9800e-003	0.0000	23.2327	23.2327	5.9000e-004	5.9000e-004	23.4240
<b>Total</b>	<b>8.9900e-003</b>	<b>5.6500e-003</b>	<b>0.0766</b>	<b>2.5000e-004</b>	<b>0.0294</b>	<b>1.5000e-004</b>	<b>0.0295</b>	<b>7.8400e-003</b>	<b>1.4000e-004</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>23.2327</b>	<b>23.2327</b>	<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>23.4240</b>

**3.10 Paving (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0595	0.5578	0.9476	1.4800e-003		0.0272	0.0272		0.0250	0.0250	0.0000	130.1252	130.1252	0.0421	0.0000	131.1773
Paving	3.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0635</b>	<b>0.5578</b>	<b>0.9476</b>	<b>1.4800e-003</b>		<b>0.0272</b>	<b>0.0272</b>		<b>0.0250</b>	<b>0.0250</b>	<b>0.0000</b>	<b>130.1252</b>	<b>130.1252</b>	<b>0.0421</b>	<b>0.0000</b>	<b>131.1773</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.7100e-003	3.0000e-005	7.7400e-003	2.0500e-003	3.0000e-005	2.0800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983
<b>Total</b>	<b>2.1100e-003</b>	<b>1.2800e-003</b>	<b>0.0180</b>	<b>6.0000e-005</b>	<b>7.7100e-003</b>	<b>3.0000e-005</b>	<b>7.7400e-003</b>	<b>2.0500e-003</b>	<b>3.0000e-005</b>	<b>2.0800e-003</b>	<b>0.0000</b>	<b>5.6534</b>	<b>5.6534</b>	<b>1.3000e-004</b>	<b>1.4000e-004</b>	<b>5.6983</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0595	0.5578	0.9476	1.4800e-003		0.0272	0.0272		0.0250	0.0250	0.0000	130.1250	130.1250	0.0421	0.0000	131.1771
Paving	3.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0635</b>	<b>0.5578</b>	<b>0.9476</b>	<b>1.4800e-003</b>		<b>0.0272</b>	<b>0.0272</b>		<b>0.0250</b>	<b>0.0250</b>	<b>0.0000</b>	<b>130.1250</b>	<b>130.1250</b>	<b>0.0421</b>	<b>0.0000</b>	<b>131.1771</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.2800e-003	0.0180	6.0000e-005	7.3100e-003	3.0000e-005	7.3400e-003	1.9500e-003	3.0000e-005	1.9800e-003	0.0000	5.6534	5.6534	1.3000e-004	1.4000e-004	5.6983
<b>Total</b>	<b>2.1100e-003</b>	<b>1.2800e-003</b>	<b>0.0180</b>	<b>6.0000e-005</b>	<b>7.3100e-003</b>	<b>3.0000e-005</b>	<b>7.3400e-003</b>	<b>1.9500e-003</b>	<b>3.0000e-005</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>5.6534</b>	<b>5.6534</b>	<b>1.3000e-004</b>	<b>1.4000e-004</b>	<b>5.6983</b>

**3.11 Arch Coating (Commercial) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.9041</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0496</b>	<b>2.5000e-004</b>	<b>0.0498</b>	<b>0.0132</b>	<b>2.3000e-004</b>	<b>0.0134</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.9041</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0470	2.5000e-004	0.0473	0.0126	2.3000e-004	0.0128	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0470</b>	<b>2.5000e-004</b>	<b>0.0473</b>	<b>0.0126</b>	<b>2.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

**3.11 Arch Coating (Commercial) - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>3.5727</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1961</b>	<b>9.3000e-004</b>	<b>0.1970</b>	<b>0.0522</b>	<b>8.6000e-004</b>	<b>0.0530</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
<b>Total</b>	<b>3.5727</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6398</b>	<b>66.6398</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7307</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1859</b>	<b>9.3000e-004</b>	<b>0.1868</b>	<b>0.0497</b>	<b>8.6000e-004</b>	<b>0.0505</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

**3.11 Arch Coating (Commercial) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060
<b>Total</b>	<b>3.2716</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0228</b>	<b>61.0228</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1060</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1795</b>	<b>8.1000e-004</b>	<b>0.1803</b>	<b>0.0478</b>	<b>7.5000e-004</b>	<b>0.0485</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

**Mitigated Construction On-Site**



## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0227	61.0227	3.3300e-003	0.0000	61.1059
<b>Total</b>	<b>3.2716</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0227</b>	<b>61.0227</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1059</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-004	0.1710	0.0455	7.5000e-004	0.0462	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1702</b>	<b>8.1000e-004</b>	<b>0.1710</b>	<b>0.0455</b>	<b>7.5000e-004</b>	<b>0.0462</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

**3.12 Arch Coating (Apartments) - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.9041</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0496	2.5000e-004	0.0498	0.0132	2.3000e-004	0.0134	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0496</b>	<b>2.5000e-004</b>	<b>0.0498</b>	<b>0.0132</b>	<b>2.3000e-004</b>	<b>0.0134</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8922					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0804	0.1195	2.0000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	16.8515	16.8515	9.5000e-004	0.0000	16.8752
<b>Total</b>	<b>0.9041</b>	<b>0.0804</b>	<b>0.1195</b>	<b>2.0000e-004</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>		<b>4.0200e-003</b>	<b>4.0200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.8752</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	0.0101	0.1306	4.1000e-004	0.0470	2.5000e-004	0.0473	0.0126	2.3000e-004	0.0128	0.0000	38.1208	38.1208	1.0400e-003	1.0100e-003	38.4482
<b>Total</b>	<b>0.0153</b>	<b>0.0101</b>	<b>0.1306</b>	<b>4.1000e-004</b>	<b>0.0470</b>	<b>2.5000e-004</b>	<b>0.0473</b>	<b>0.0126</b>	<b>2.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>38.1208</b>	<b>38.1208</b>	<b>1.0400e-003</b>	<b>1.0100e-003</b>	<b>38.4482</b>

## 3.12 Arch Coating (Apartments) - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>3.5727</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1961	9.3000e-004	0.1970	0.0522	8.6000e-004	0.0530	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1961</b>	<b>9.3000e-004</b>	<b>0.1970</b>	<b>0.0522</b>	<b>8.6000e-004</b>	<b>0.0530</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

Mitigated Construction On-Site

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
<b>Total</b>	<b>3.5727</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6398</b>	<b>66.6398</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7307</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0358	0.4848	1.5600e-003	0.1859	9.3000e-004	0.1868	0.0497	8.6000e-004	0.0505	0.0000	147.1404	147.1404	3.7500e-003	3.7500e-003	148.3518
<b>Total</b>	<b>0.0569</b>	<b>0.0358</b>	<b>0.4848</b>	<b>1.5600e-003</b>	<b>0.1859</b>	<b>9.3000e-004</b>	<b>0.1868</b>	<b>0.0497</b>	<b>8.6000e-004</b>	<b>0.0505</b>	<b>0.0000</b>	<b>147.1404</b>	<b>147.1404</b>	<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>148.3518</b>

**3.12 Arch Coating (Apartments) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0228	61.0228	3.3300e-003	0.0000	61.1060
<b>Total</b>	<b>3.2716</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0228</b>	<b>61.0228</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1060</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1795	8.1000e-004	0.1803	0.0478	7.5000e-004	0.0485	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1795</b>	<b>8.1000e-004</b>	<b>0.1803</b>	<b>0.0478</b>	<b>7.5000e-004</b>	<b>0.0485</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.2738	0.4324	7.1000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0227	61.0227	3.3300e-003	0.0000	61.1059
<b>Total</b>	<b>3.2716</b>	<b>0.2738</b>	<b>0.4324</b>	<b>7.1000e-004</b>		<b>0.0123</b>	<b>0.0123</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>61.0227</b>	<b>61.0227</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>61.1059</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-004	0.1710	0.0455	7.5000e-004	0.0462	0.0000	131.6510	131.6510	3.1400e-003	3.2500e-003	132.6968
<b>Total</b>	<b>0.0492</b>	<b>0.0299</b>	<b>0.4197</b>	<b>1.3800e-003</b>	<b>0.1702</b>	<b>8.1000e-004</b>	<b>0.1710</b>	<b>0.0455</b>	<b>7.5000e-004</b>	<b>0.0462</b>	<b>0.0000</b>	<b>131.6510</b>	<b>131.6510</b>	<b>3.1400e-003</b>	<b>3.2500e-003</b>	<b>132.6968</b>

**3.13 Arch Coating (For Sale) - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4478					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9300e-003	0.0264	0.0416	7.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	5.8725	5.8725	3.2000e-004	0.0000	5.8805
<b>Total</b>	<b>0.4517</b>	<b>0.0264</b>	<b>0.0416</b>	<b>7.0000e-005</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>5.8725</b>	<b>5.8725</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>5.8805</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0173	8.0000e-005	0.0174	4.6000e-003	7.0000e-005	4.6700e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700
<b>Total</b>	<b>4.7300e-003</b>	<b>2.8700e-003</b>	<b>0.0404</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>8.0000e-005</b>	<b>0.0174</b>	<b>4.6000e-003</b>	<b>7.0000e-005</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.6694</b>	<b>12.6694</b>	<b>3.0000e-004</b>	<b>3.1000e-004</b>	<b>12.7700</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4478					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9300e-003	0.0264	0.0416	7.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	5.8725	5.8725	3.2000e-004	0.0000	5.8805
<b>Total</b>	<b>0.4517</b>	<b>0.0264</b>	<b>0.0416</b>	<b>7.0000e-005</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>		<b>1.1800e-003</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>5.8725</b>	<b>5.8725</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>5.8805</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8700e-003	0.0404	1.3000e-004	0.0164	8.0000e-005	0.0165	4.3800e-003	7.0000e-005	4.4500e-003	0.0000	12.6694	12.6694	3.0000e-004	3.1000e-004	12.7700
<b>Total</b>	<b>4.7300e-003</b>	<b>2.8700e-003</b>	<b>0.0404</b>	<b>1.3000e-004</b>	<b>0.0164</b>	<b>8.0000e-005</b>	<b>0.0165</b>	<b>4.3800e-003</b>	<b>7.0000e-005</b>	<b>4.4500e-003</b>	<b>0.0000</b>	<b>12.6694</b>	<b>12.6694</b>	<b>3.0000e-004</b>	<b>3.1000e-004</b>	<b>12.7700</b>

**3.13 Arch Coating (For Sale) - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.0812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6399	66.6399	3.6400e-003	0.0000	66.7308
<b>Total</b>	<b>5.1258</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6399</b>	<b>66.6399</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7308</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0508	0.0299	0.4358	1.4700e-003	0.1961	8.4000e-004	0.1969	0.0522	7.7000e-004	0.0529	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836
<b>Total</b>	<b>0.0508</b>	<b>0.0299</b>	<b>0.4358</b>	<b>1.4700e-003</b>	<b>0.1961</b>	<b>8.4000e-004</b>	<b>0.1969</b>	<b>0.0522</b>	<b>7.7000e-004</b>	<b>0.0529</b>	<b>0.0000</b>	<b>140.7000</b>	<b>140.7000</b>	<b>3.1500e-003</b>	<b>3.3700e-003</b>	<b>141.7836</b>

**Mitigated Construction On-Site**

## SCS Dublin - Operational - Alameda County, Annual

## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.0812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446	0.2990	0.4722	7.8000e-004		0.0134	0.0134		0.0134	0.0134	0.0000	66.6398	66.6398	3.6400e-003	0.0000	66.7307
<b>Total</b>	<b>5.1258</b>	<b>0.2990</b>	<b>0.4722</b>	<b>7.8000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.6398</b>	<b>66.6398</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>66.7307</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0508	0.0299	0.4358	1.4700e-003	0.1859	8.4000e-004	0.1867	0.0497	7.7000e-004	0.0504	0.0000	140.7000	140.7000	3.1500e-003	3.3700e-003	141.7836
<b>Total</b>	<b>0.0508</b>	<b>0.0299</b>	<b>0.4358</b>	<b>1.4700e-003</b>	<b>0.1859</b>	<b>8.4000e-004</b>	<b>0.1867</b>	<b>0.0497</b>	<b>7.7000e-004</b>	<b>0.0504</b>	<b>0.0000</b>	<b>140.7000</b>	<b>140.7000</b>	<b>3.1500e-003</b>	<b>3.3700e-003</b>	<b>141.7836</b>

**3.13 Arch Coating (For Sale) - 2028****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8305	27.8305	1.5200e-003	0.0000	27.8684
<b>Total</b>	<b>2.1407</b>	<b>0.1249</b>	<b>0.1972</b>	<b>3.2000e-004</b>		<b>5.6100e-003</b>	<b>5.6100e-003</b>		<b>5.6100e-003</b>	<b>5.6100e-003</b>	<b>0.0000</b>	<b>27.8305</b>	<b>27.8305</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>27.8684</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0200	0.0116	0.1741	6.0000e-004	0.0819	3.3000e-004	0.0822	0.0218	3.0000e-004	0.0221	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498
<b>Total</b>	<b>0.0200</b>	<b>0.0116</b>	<b>0.1741</b>	<b>6.0000e-004</b>	<b>0.0819</b>	<b>3.3000e-004</b>	<b>0.0822</b>	<b>0.0218</b>	<b>3.0000e-004</b>	<b>0.0221</b>	<b>0.0000</b>	<b>57.6178</b>	<b>57.6178</b>	<b>1.2100e-003</b>	<b>1.3500e-003</b>	<b>58.0498</b>

**Mitigated Construction On-Site**

SCS Dublin - Operational - Alameda County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8304	27.8304	1.5200e-003	0.0000	27.8684
Total	2.1407	0.1249	0.1972	3.2000e-004		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	27.8304	27.8304	1.5200e-003	0.0000	27.8684

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0200	0.0116	0.1741	6.0000e-004	0.0776	3.3000e-004	0.0780	0.0207	3.0000e-004	0.0210	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498
Total	0.0200	0.0116	0.1741	6.0000e-004	0.0776	3.3000e-004	0.0780	0.0207	3.0000e-004	0.0210	0.0000	57.6178	57.6178	1.2100e-003	1.3500e-003	58.0498

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861
Unmitigated	4.1086	5.3899	40.5492	0.0924	10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874	8,911.1874	0.5006	0.4322	9,052.4861

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Mid Rise	1,345.50	1,345.50	1,345.50	3,499,839	3,499,839
City Park	1.10	1.10	1.10	3,214	3,214
Condo/Townhouse	409.20	409.20	409.20	1,064,388	1,064,388
Fast Food Restaurant w/o Drive Thru	2,982.00	2,982.00	2,982.00	7,959,590	7,959,590
High Turnover (Sit Down Restaurant)	1,929.60	1,929.60	1,929.60	5,258,677	5,258,677
Hotel	603.40	603.40	603.40	1,697,096	1,697,096
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	2,933.82	2,933.82	2,933.82	8,178,699	8,178,699
Single Family Housing	780.00	780.00	780.00	2,028,892	2,028,892
Total	10,984.62	10,984.62	10,984.62	29,690,396	29,690,396

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	100	0	0
High Turnover (Sit Down)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	100	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
City Park	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Condo/Townhouse	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Fast Food Restaurant w/o Drive Thru	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
High Turnover (Sit Down Restaurant)	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Hotel	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Parking Lot	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Regional Shopping Center	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356
Single Family Housing	0.572649	0.056476	0.177434	0.111670	0.020454	0.005317	0.014831	0.012904	0.000782	0.000530	0.024241	0.000356	0.002356

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

[illegible]

**Unmitigated**

[illegible]



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## EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.78268e+006	257.4638	0.0417	5.0500e-003	260.0097
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.0312e+006	95.4105	0.0154	1.8700e-003	96.3539
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	1.99536e+006	184.6182	0.0299	3.6200e-003	186.4438
Hotel	2.99304e+006	276.9274	0.0448	5.4300e-003	279.6657
Parking Lot	1.54493e+006	142.9426	0.0231	2.8000e-003	144.3560
Regional Shopping Center	284480	26.3212	4.2600e-003	5.2000e-004	26.5814
Single Family Housing	1.71072e+006	158.2823	0.0256	3.1000e-003	159.8474
<b>Total</b>		<b>1,340.7070</b>	<b>0.2169</b>	<b>0.0263</b>	<b>1,353.9643</b>

**Mitigated**

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	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.78268e+006	257.4638	0.0417	5.0500e-003	260.0097
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.0312e+006	95.4105	0.0154	1.8700e-003	96.3539
Fast Food Restaurant w/o	1.99536e+006	184.6182	0.0299	3.6200e-003	186.4438
High Turnover (Sit Down Restaurant)	2.99304e+006	276.9274	0.0448	5.4300e-003	279.6657
Hotel	1.54493e+006	142.9426	0.0231	2.8000e-003	144.3560
Parking Lot	284480	26.3212	4.2600e-003	5.2000e-004	26.5814
Regional Shopping Center	1.71072e+006	158.2823	0.0256	3.1000e-003	159.8474
Single Family Housing	2.148e+006	198.7412	0.0322	3.9000e-003	200.7064
Total		1,340.7070	0.2169	0.0263	1,353.9643

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Unmitigated	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1468	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175
Total	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory											tons/yr						MT/yr					
Architectural Coating	0.7651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1468	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175						
Total	5.5164	0.0557	4.8434	2.6000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e-003	0.0000	8.1175						

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.4017	1.7530	0.0420	111.7408
Unmitigated	67.1135	2.1909	0.0525	137.5163

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	25.4101 / 16.0194	25.9705	0.8309	0.0199	52.6734
City Park	0 / 2.9787	0.9646	1.6000e-004	2.0000e-005	0.9741
Condo/Townhouse	7.16694 / 4.51829	7.3250	0.2344	5.6100e-003	14.8566
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	3.6424 / 0.232494	3.0544	0.1190	2.8400e-003	6.8755
Hotel	5.46361 / 0.348741	4.5816	0.1785	4.2600e-003	10.3133
Parking Lot	3.55135 / 0.394594	3.0324	0.1160	2.7700e-003	6.7586
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.9997 / 7.35468	12.1963	0.3924	9.4000e-003	24.8059
Total	9.7731 / 6.1613	67.1135	2.1908	0.0525	137.5163

Mitigated

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	20.3281/ 15.0422	21.4975	0.6648	0.0159	42.8669
City Park	0/2.797	0.9058	1.5000e- 004	2.0000e- 005	0.9147
Condo/Townhouse	5.73355/ 4.24267	6.0634	0.1875	4.4900e- 003	12.0907
Fast Food Restaurant w/o	2.91392/ 0.218312	2.4540	0.0952	2.2700e- 003	5.5110
High Turnover (Sit Down Restaurant)	4.37089/ 0.327468	3.6810	0.1428	3.4100e- 003	8.2665
Hotel	2.84108/ 0.370524	2.4437	0.0928	2.2200e- 003	5.4248
Parking Lot	0/0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.5998/ 6.90605	10.0881	0.3140	7.5200e- 003	20.1790
Single Family Housing	7.81848/ 5.78547	8.2683	0.2557	6.1300e- 003	16.4873
Total		55.4017	1.7530	0.0420	111.7408

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	102.4668	6.0556	0.0000	253.8571
Unmitigated	204.9336	12.1112	0.0000	507.7143

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	179.4	36.4166	2.1522	0.0000	90.2205
City Park	0.21	0.0426	2.5200e- 003	0.0000	0.1056
Condo/Townhouse	50.6	10.2713	0.6070	0.0000	25.4468
Fast Food Restaurant w/o	138.23	28.0594	1.6583	0.0000	69.5161
High Turnover (Sit Down Restaurant)	214.2	43.4807	2.5696	0.0000	107.7215
Hotel	76.65	15.5593	0.9195	0.0000	38.5474
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	170.1	34.5288	2.0406	0.0000	85.5436
Single Family Housing	180.18	36.5749	2.1615	0.0000	90.6128

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total		204.9336	12.1112	0.0000	507.7143
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Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	89.7	18.2083	1.0761	0.0000	45.1103
City Park	0.105	0.0213	1.2600e-003	0.0000	0.0528
Condo/Townhouse	25.3	5.1357	0.3035	0.0000	12.7234
Fast Food Restaurant w/o High Turnover (Sit Down Restaurant)	69.115	14.0297	0.8291	0.0000	34.7580
Hotel	107.1	21.7403	1.2848	0.0000	53.8608
Parking Lot	38.325	7.7796	0.4598	0.0000	19.2737
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	85.05	17.2644	1.0203	0.0000	42.7718
	90.09	18.2875	1.0808	0.0000	45.3064
Total		102.4668	6.0556	0.0000	253.8571

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Construction - Unmitigated

PM <sub>2.5</sub> Exhaust Onsite			
Year	Tons/Year	g/s	Weighted Average On-Site Rate
2023	8.36E-01	0.132950	8.02E-02
2024	1.52E+00	0.191182	
2025	1.17E+00	0.018173	
2026	5.94E-01	0.074818	
2027	1.75E-01	0.022075	
2028	5.97E-02	0.017415	

	2023	2024	2025	2026	2027	2028	Total
Const Duration (Days):	198	250	250	250	250	108	1306

Trips			Miles		Weighted
	Vendor	Hauling	Vendor	Hauling	Trip length
2023	0	4177	7.3	20	20.00
2024	855	4,808	7.3	20	18.08
2025	855	3,483	7.3	20	17.50
2026	855	0	7.3	20	7.30
2027	570	0	7.3	20	7.30
2028	285	0	7.3	20	7.30

PM <sub>2.5</sub> Exhaust Off-Site			
	Tons/Year	g/s	g/s per mile
2023	2.69E-03	0.000428	2.13974E-05
2024	3.42E-02	0.004312	0.000238442
2025	4.57E-02	0.005758	0.000329093
2026	3.75E-02	0.004726	0.000647422
2027	1.73E-02	0.002175	0.000297907
2028	5.70E-03	0.001662	0.000227736
			Weighted Average Off-Site Rate
			3.12E-04

Construction Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
Tassajara Blvd	1348.7	0.84	3.12E-04	2.61E-04

On-Site Construction Emissions			Off-Site Construction Emissions		
Year	Phase	tons/yr Exhaust PM <sub>2.5</sub>	Year	Phase	tons/yr Exhaust PM <sub>2.5</sub>
2023	Demolition	0.181	2023	Demolition	4.50E-04
2023	Site Preparation	0.2271	2023	Site Preparation	1.30E-04
2023	Grading	0.3848	2023	Grading	2.05E-03
2023	Infrastructure (Trenching)	4.28E-02	2023	Infrastructure (Trenching)	6.00E-05
	Total	0.8357		Total	0.00269
2024	Demolition	9.90E-02	2024	Demolition	2.50E-04
2024	Site Preparation	2.23E-01	2024	Site Preparation	1.20E-04
2024	Grading	4.88E-01	2024	Grading	2.77E-03
2024	Infrastructure (Trenching)	0.1512	2024	Infrastructure (Trenching)	2.10E-04
2024	Building Construction (Commercial)	0.2579	2024	Building Construction (Commercial)	1.40E-02
2024	Paving (Commercial)	8.61E-02	2024	Paving (Commercial)	1.10E-04
2024	Building Construction (Apartment)	0.0877	2024	Building Construction (Apartment)	8.13E-03
2024	Building Construction (For Sale)	0.0877	2024	Building Construction (For Sale)	8.13E-03
2024	Paving (For Sale)	2.85E-02	2024	Paving (For Sale)	4.00E-05
2024	Arch Coating (Commercial)	4.02E-03	2024	Arch Coating (Commercial)	2.30E-04
2024	Arch Coating (Apartments)	4.02E-03	2024	Arch Coating (Apartments)	2.30E-04
	Total	1.52E+00		Total	3.42E-02
2025	Grading	0.3139	2025	Grading	2.08E-03
2025	Infrastructure (Trenching)	0.1295	2025	Infrastructure (Trenching)	2.00E-04
2025	Building Construction (Commercial)	0.2247	2025	Building Construction (Commercial)	1.38E-02
2025	Paving (Commercial)	1.14E-01	2025	Paving (Commercial)	1.60E-04
2025	Building Construction (Apartment)	0.1295	2025	Building Construction (Apartment)	1.38E-02
2025	Building Construction (For Sale)	0.1295	2025	Building Construction (For Sale)	1.38E-02
2025	Paving (For Sale)	1.01E-01	2025	Paving (For Sale)	1.40E-04
2025	Arch Coating (Commercial)	1.34E-02	2025	Arch Coating (Commercial)	8.60E-04
2025	Arch Coating (Apartments)	1.34E-02	2025	Arch Coating (Apartments)	8.60E-04
	Total	1.1683		Total	0.0457
2026	Infrastructure (Trenching)	0.0864	2026	Infrastructure (Trenching)	1.30E-04
2026	Building Construction (Commercial)	0.1498	2026	Building Construction (Commercial)	9.02E-03
2026	Paving (Commercial)	4.72E-02	2026	Paving (Commercial)	6.00E-05
2026	Building Construction (Apartment)	0.1295	2026	Building Construction (Apartment)	1.35E-02
2026	Building Construction (For Sale)	0.1295	2026	Building Construction (For Sale)	1.32E-02
2026	Paving (For Sale)	2.50E-02	2026	Paving (For Sale)	3.00E-05
2026	Arch Coating (Commercial)	1.23E-02	2026	Arch Coating (Commercial)	7.50E-04
2026	Arch Coating (Apartments)	1.23E-02	2026	Arch Coating (Apartments)	7.50E-04
2026	Arch Coating (For Sale)	1.80E-03	2026	Arch Coating (For Sale)	7.00E-05
	Total	0.5938		Total	3.75E-02
2027	Building Construction (Apartment)	3.23E-02	2027	Building Construction (Apartment)	3.29E-03
2027	Building Construction (For Sale)	0.1295	2027	Building Construction (For Sale)	1.32E-02
2027	Arch Coating (For Sale)	1.34E-02	2027	Arch Coating (For Sale)	7.70E-04
	Total	0.1752		Total	1.73E-02
2028	Building Construction (For Sale)	5.41E-02	2028	Building Construction (For Sale)	5.40E-03
2028	Arch Coating (For Sale)	5.61E-03	2028	Arch Coating (For Sale)	3.00E-04
	Total	0.05971		Total	5.70E-03

Construction - Mitigated

		PM <sub>2.5</sub> Exhaust Onsite								
Year	Tons/Year	g/s	Weighted Average On-Site Rate							
2023	5.79E-02	0.009218	8.02E-03							
2024	1.41E-01	0.017785								
2025	1.38E-01	0.002142								
2026	8.05E-02	0.010142								
2027	2.68E-02	0.003370								
2028	9.01E-03	0.002628								
		2023	2024	2025	2026	2027	2028	Total		
Const Duration (Days):		198	250	250	250	250	108	1306		
		Trips		Miles		Weighted				
			Vendor	Hauling	Vendor	Hauling	Trip length			
		2023	0	4177	7.3	20	20.00			
		2024	855	4,808	7.3	20	18.08			
		2025	855	3,483	7.3	20	17.50			
		2026	855	0	7.3	20	7.30			
		2027	570	0	7.3	20	7.30			
		2028	285	0	7.3	20	7.30			
		PM <sub>2.5</sub> Exhaust Off-Site								
	Tons/Year	g/s	g/s per mile	Weighted Average Off-Site Rate						
2023	2.69E-03	0.000428	2.13974E-05	3.13E-04						
2024	3.42E-02	0.004312	0.000238442							
2025	4.57E-02	0.005758	0.000329093							
2026	3.78E-02	0.004764	0.0006526							
2027	1.73E-02	0.002175	0.000297907							
2028	5.70E-03	0.001662	0.000227736							

### Construction (Unmitigated)

	$\mu\text{g}/\text{m}^3$		
	1 hr	24 hr	Period
Project (resident)	4.91E+00	5.87E-01	1.10E-01

### HARP 2 Risk Summary

INDEX	POLID	Cancer		Per 1 million	Chronic RESP	Acute	
		CONC	INH_RISK			CONC	RESP
1	9901 Diesel ExhPM	1.10E-01	4.43E-05	44.32	2.20E-02	4.91E+00	0.00E+00
2	107028 Acrolein	0.00E+00	0.00E+00		0.00E+00	4.91E+00	1.96E+00

### Construction (Mitigated)

	$\mu\text{g}/\text{m}^3$		
	1 hr	24 hr	Period
Project (resident)	5.14E-01	5.95E-02	1.11E-02

### HARP 2 Risk Summary

INDEX	POLID	Cancer		Per 1 million	Chronic RESP	Acute	
		CONC	INH_RISK			CONC	RESP
1	9901 Diesel ExhPM	1.11E-02	4.47E-06	4.47	2.22E-03	5.14E-01	0.00E+00
2	107028 Acrolein	0.00E+00	0.00E+00		0.00E+00	5.14E-01	2.06E-01