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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

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
 203.98
 CH4 Intensity
 0.033
 N2O Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution 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

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	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
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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	_ РВ_ТР	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
		20.00	.00.00

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

Introductor International Inte				
BitVehicleTrips	•	PR_TP	• ·	
Distribution	tblVehicleTrips		86.00	100.00
bt/VehicleTrips	■	:		
BitVehicle Trips	tblVehicleTrips	PR_TP	37.00	100.00
bit/VehicleTrips	tbl/ehicle l rips	PR_TP	58.00	100.00
Bivehicierrips	tblVehicleTrips	PR_TP	54.00	100.00
biVehicleTrips	tblVehicleTrips		86.00	100.00
IbIVehicleTrips	tblVehicleTrips	ST_TR	4.91	3.45
biVehicleTrips	tblVehicleTrips	ST_TR		
bit/ehicleTrips	tblVehicleTrips	_		
bl/ehicleTrips ST_TR 122.40 107.20 bl/ehicleTrips ST_TR 8.19 4.31 bl/ehicleTrips ST_TR 46.12 18.11 bl/ehicleTrips ST_TR 9.54 5.20 bl/ehicleTrips SU_TR 4.09 3.45 bl/ehicleTrips SU_TR 2.19 0.44 bl/ehicleTrips SU_TR 6.28 3.72 bl/ehicleTrips SU_TR 500.00 248.50 bl/ehicleTrips SU_TR 142.64 107.20 bl/ehicleTrips SU_TR 5.95 4.31 bl/ehicleTrips SU_TR 5.95 4.31 bl/ehicleTrips SU_TR 8.55 5.20 bl/ehicleTrips WD_TR 5.44 3.45 bl/ehicleTrips WD_TR 7.32 3.72 bl/ehicleTrips WD_TR 7.32 3.72 bl/ehicleTrips WD_TR 346.23 248.50 bl/ehicleTrips WD_TR 36.23 248.50	tblVehicleTrips	ST_TR	696.00	
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biVehicleTrips	tblVehicleTrips	ST_TR	8.19	4.31
biVehicleTrips	•		:	18.11
bi/VehicleTrips SU_TR 4.09 3.45	tblVehicleTrips	ST_TR	9.54	
tbl/VehicleTrips SU_TR 6.28 3.72 tbl/VehicleTrips SU_TR 500.00 248.50 tbl/VehicleTrips SU_TR 142.64 107.20 tbl/VehicleTrips SU_TR 5.95 4.31 tbl/VehicleTrips SU_TR 21.10 18.11 tbl/VehicleTrips SU_TR 8.55 520 tbl/VehicleTrips WD_TR 5.44 3.45 tbl/VehicleTrips WD_TR 0.78 0.44 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11		SU_TR		
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tbl/VehicleTrips SU_TR 142.64 107.20 tbl/VehicleTrips SU_TR 5.95 4.31 tbl/VehicleTrips SU_TR 21.10 18.11 tbl/VehicleTrips SU_TR 8.55 5.20 tbl/VehicleTrips WD_TR 5.44 3.45 tbl/VehicleTrips WD_TR 0.78 0.44 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	SU_TR	500.00	248.50
tbl/VehicleTrips SU_TR 5.95 4.31 tbl/VehicleTrips SU_TR 21.10 18.11 tbl/VehicleTrips SU_TR 8.55 5.20 tbl/VehicleTrips WD_TR 5.44 3.45 tbl/VehicleTrips WD_TR 0.78 0.44 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11	tblVehicleTrips		142.64	
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tbl/VehicleTrips SU_TR 8.55 5.20 tbl/VehicleTrips WD_TR 5.44 3.45 tbl/VehicleTrips WD_TR 0.78 0.44 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11	tblVehicleTrips		21.10	18.11
tbl/VehicleTrips WD_TR 5.44 3.45 tbl/VehicleTrips WD_TR 0.78 0.44 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11		SU_TR	8.55	5.20
tbl/VehicleTrips WD_TR 0.78 0.44 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11		WD_TR	5.44	3.45
tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	0.78	
tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 8.36 4.31 tbl/VehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	7.32	3.72
tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips WD_TR 8.36 4.31 tblVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips		112.18	107.20
tblVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	8.36	4.31
	tblVehicleTrips	WD_TR	37.75	
			9.44	5.20

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission) <u>Unmitigated Construction</u>

	ROG	NOx	СО	SO2	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/d	day							lb/d	lay		
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		40.6031	8.9529	6.8753	15.8281		75,321.563 6	6			76,485.407 1
2027	49.8239	78.3209	114.2767	0.3518	21.0488		23.4827	5.6708	2.2966	7.9674	0.0000	36,081.696 4	36,081.696 4	2.8707		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

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	ROG	NOx	СО	SO2	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/o	day							lb/d	lay		
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			421.5621		64.1828					37.4585		103,085.80 29	29			104,554.03 80
2025	89.3886	285.8876	373.8762	0.9453	47.1038	10.8211		14.8776	10.0732	24.9509	0.0000	94,528.494 6			3.3351	95,907.934 0
2026	105.7260		302.1322		31.5775	7.3460	38.9235	8.5406	6.8753	15.4159		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
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 5	18,696.460 5	1.4513	0.9806	19,024.947 2
Maximum	105.7260	385.9055	421.5621	1.0351	64.1828	15.6576	79.1120	23.5877	14.5391	37.4585	0.0000	103,085.80 29	103,085.80 29	18.4451	3.4253	104,554.03 80

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Area	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.662 6	9.6009	0.5115	10,511.121 6
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039			7,956.5026			8,003.7841
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350	0.3633	62.8983	16.6572	0.3390	16.9963		56,914.040 1	56,914.040 1	2.8522	2.4998	57,730.280 4
Total	418.0318	42.0473	753.0355	1.4799	62.5350	68.1625	130.6975	16.6572	68.1383	84.7955	7,242.1739	67,747.031 3	74,989.205 2	12.6056	3.1572	76,245.186 0

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Area	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.662 6	9.6009	0.5115	10,511.121 6
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		56,914.040 1	56,914.040 1	2.8522	2.4998	57,730.280 4
Total	418.0318	42.0473	753.0355	1.4799	62.5350	68.1625	130.6975	16.6572	68.1383	84.7955	7,242.1739	67,747.031 3	74,989.205 2	12.6056	3.1572	76,245.186 0

I		ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

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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	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)	97	0.37
Infrastructure (Trenching)	Welders	2	8.00		
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
Building Construction (Commercial)	Forklifts	6	8.00	89	0.20
	Generator Sets	2	8.00	84	0.74
	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		0.36
Paving (Commercial)	Rollers	4		.	
	Cranes	2	7.00	231	0.29
Building Construction (Apartment)	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2		: (
	Tractors/Loaders/Backhoes	6		:	
	Welders	2	: >	: (
	Cranes	2		: 	
	Forklifts	6	·	: [:	
January Constitution (1 of Gale)		Ŭ	0.00		0.20

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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

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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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

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

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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-	0.2464	1.2400e-	0.2477	0.0654	1.1400e-	0.0665	• • • • • • • • • • • • • • • • • • •	220.5665	220.5665	5.6600e-	5.2600e-	222.2753
				003		003			003					003	003	
Total	0.0903	0.4565	0.8165	4.0800e-	0.3031	4.8600e-	0.3079	0.0809	4.6000e-	0.0855		428.0675	428.0675	0.0101	0.0380	439.6559
		1	1	003		003			003							

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Total	4.5382	42.9688	39.2867	0.0777	0.2990	1.9951	2.2940	0.0453	1.8560	1.9012	0.0000	7,493.9680	7,493.9680	2.0987		7,546.4366

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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		1.2400e- 003	0.2348	0.0622	1.1400e- 003				220.5665			222.2753
Total	0.0903	0.4565	0.8165	4.0800e- 003	0.2876	4.8600e- 003	0.2925	0.0771	4.6000e- 003	0.0817		428.0675	428.0675	0.0101	0.0380	439.6559

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
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
Total	4.4875	41.7563	39.4147	0.0777	0.6993	1.9203	2.6196	0.1059	1.7844	1.8903		7,494.8455	7,494.8455	2.0969		7,547.2690

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

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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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					0.2990	0.0000	0.2990	0.0453		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/d	day							lb/c	lay		
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		1.1800e- 003	0.2348	0.0622	1.0800e- 003				215.0943			
Total	0.0847	0.4533	0.7677	3.9800e- 003	0.2876	4.8300e- 003	0.2925	0.0771	4.5700e- 003	0.0817		419.5541	419.5541	9.5600e- 003	0.0372	430.8824

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust							39.3140			20.2049			0.0000			0.0000
	5.3189	55.0484	36.4886	0.0761		2.5320			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

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

257.3276 257.3276 6.6000e- 6.1400e- 259.3212
003 003
257.3276 257.3276 6.6000e- 6.1400e- 259.3212
003 003

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					16.8067		16.8067	8.6376		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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			
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/d	lay							lb/d	lay		
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

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

Worker	0.0908	0.0495	0.7834	2.4300e-	0.2875	1.3700e-	0.2889	0.0763	1.2600e-	0.0775	250.9433	250.9433	5.9700e-	5.7200e-	252.7981
				003		003			003				003	003	
Total	0.0908	0.0495	0.7834	2.4300e-	0.2875	1.3700e-	0.2889	0.0763	1.2600e-	0.0775	250.9433	250.9433	5.9700e-	5.7200e-	252.7981
										0.00			0.0.00	0	
				003		003			003	0.01.0			003	003	

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		5.7200e- 003	
Total	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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		16,898.713 5	16,898.713 5	5.4654		17,035.348 2
Total	9.9759	106.0611	71.4588	0.1745	34.7095	4.2903	38.9998	14.3885	3.9471	18.3355		16,898.713 5	16,898.713 5	5.4654		17,035.348 2

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

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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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					14.8383		14.8383	6.1511	0.0000	<u> </u>			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
Total	9.9759	106.0611	71.4588	0.1745	14.8383	4.2903	19.1286	6.1511	3.9471	10.0981	0.0000	16,898.713 5	16,898.713 5	5.4654		17,035.348 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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			
Total	0.1770	2.3399	1.7305	0.0142	0.6880	0.0221	0.7101	0.1860	0.0210	0.2070		1,514.4167	1,514.4167	0.0338	0.1900	1,571.8668

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/d	day							lb/d	lay		
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
Total	9.6952	99.9063	70.4246	0.1745	34.7095	4.0528	38.7623	14.3885	3.7286	18.1170		16,892.139 5	16,892.139 5	5.4633		17,028.721 0

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0378			0.0105				0.0858		0.1051		1,129.9978				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

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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

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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					14.8383		14.8383	6.1511		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
Total	9.6952	99.9063	70.4246	0.1745	14.8383	4.0528	18.8911	6.1511	3.7286	9.8796	0.0000	16,892.139 5	16,892.139 5	5.4633		17,028.721 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		1.9600e- 003	0.3913	0.1037	1.8100e- 003			358.4904	358.4904			
Total	0.1676	2.3416	1.6509	0.0140	0.6881	0.0221	0.7102	0.1860	0.0211	0.2071		1,488.4882	1,488.4882	0.0331	0.1867	1,544.9605

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/d	day							lb/c	lay		
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
Total	8.7302	86.3597	66.0883	0.1744	34.7095	3.4463	38.1558	14.3885	3.1706	17.5590		16,886.580 8	16,886.580 8	5.4615		17,023.117 3

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0377	2.2633	0.5327	0.0103	0.3129	0.0201	0.3331	0.0858		0.1051		1,109.2451				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

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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

Worker	0.1217	0.0637	1.0486	3.3600e-	0.4107	1.8800e-	0.4126	0.1090	1.7300e-	0.1107	349.8592	349.8592	7.7400e-	7.6700e-	352.3379
		:	:	003		003			003		•	:	003	003	:
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					14.8383		14.8383	6.1511		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	16,886.580 8	16,886.580 8	5.4615		17,023.117 3
Total	8.7302	86.3597	66.0883	0.1744	14.8383	3.4463	18.2846	6.1511	3.1706	9.3217	0.0000	16,886.580 8	16,886.580 8	5.4615		17,023.117 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
vendoi	0.0000	0.0000	0.0000	0.0000	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		1.8800e- 003	0.3912	0.1037	1.7300e- 003			349.8592				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 <u>Unmitigated Construction On-Site</u>

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

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

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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-	0.3697	1.8500e-	0.3715	0.0981	1.7100e-	0.0998	1	330.8498	330.8498	8.4900e-	7.8900e-	333.4130
· otal	0202	0.07.12		003	0.000.	003	0.01.10	0.000.	003	0.0000		000.0.00	000.0.00	003	003	00011100
						000									000	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	day		
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4198				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
Off-Road	2.9431	26.8876		0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978				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

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

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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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.7700e- 003		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 <u>Unmitigated Construction On-Site</u>

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

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

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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

Mitigated Construction On-Site

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

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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	iay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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
Total	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

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/d	day							lb/c	lay		
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
Total	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

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

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

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

Mitigated Construction Off-Site

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

3.6 Building Construction (Commercial) - 2025 <u>Unmitigated Construction On-Site</u>

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	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	0.0750	2.0075	0.5562	0.0725	0.6287		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		6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

П	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					PM10	PM10		PM2.5	PM2.5							1

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

Category					lb/d	ay				lb/d	lay			
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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

3.6 Building Construction (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/c	lay		
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217		9,318.9613			:	9,384.2012
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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		6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

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

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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

Off-Road	4.3453	40.7606	59.6736	0.0970	1.8513	1.8513	 1.7217	1.7217		9,318.9613			 !	9,384.2011
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		18.8266				7.4389	1.9722	0.0313			6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	ay		
Off-Road		21.4868	32.8718	0.0516		1.0589	1.0589		0.0000	0.9839		4,977.9905	4,977.9905			5,014.4812
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.4259	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

Unmitigated Construction Off-Site

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

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

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

ľ	Paving	0.0881				0.0000	0.0000	0.0000	0.0000			0.0000		0.0000
	Total	2.4259	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.3700e- 003	0.2739	0.0726	1.2600e- 003			250.9433	250.9433	5.9700e- 003	5.7200e- 003	252.7981
Total	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

3.7 Paving (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	2.1720		32.7742	0.0515		0.9401	0.9401		0.0701	0.8731		4,976.3864	4,976.3864			5,012.8393
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	2.1720		32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864			:	5,012.8393

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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

Paving	0.0881				0.0000	0.0000	0.0000	0.0000			0.0000		0.0000
Total	2.2601	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

Mitigated Construction Off-Site

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

3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	2.1720		32.7742	0.0515		0.9401	0.9401		0.0701	0.8731		4,976.3864	4,976.3864			5,012.8393
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	2.1720		32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864			:	5,012.8393

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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

Paving	0.0881				0.0000	0.0000	0.0000	0.0000			0.0000		0.0000
Total	2.2601	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.6929	2.2800e- 003				0.0726	1.1500e- 003			239.2679				
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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

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

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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

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
													1	
													1	

Mitigated Construction Off-Site

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

3.8 Building Construction (Apartment) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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/c	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487				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

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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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

3.8 Building Construction (Apartment) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.8639	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			6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

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

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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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		3.5346	0.0540	1.0102	0.0755	1.9247	0.5360	0.0722			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		6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

3.8 Building Construction (Apartment) - 2027

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay	•	
Hauling	0.0000	0.0000	0.0000	0.0000	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
Total	2.3323	12.9745	21.3738	0.1130	9.7440	0.1071	9.8511	2.6284	0.1013	2.7297		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

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

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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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	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		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		6,404.2260
Total	2.3323	12.9745	21.3738	0.1130	9.2541	0.1071	9.3612	2.5082	0.1013	2.6095		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

3.9 Building Construction (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.0002	3.6416	0.0560	1.0010	0.0758	2.0074	0.5562	0.0720	0.6287			5,979.1520		0.8954	6,248.0584
Worker	2.4676	1.3442	21.2847	0.0661		0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623		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

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

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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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			0.0560		0.0758	1.02.10	0.5359	0.0725	0.6085		5,979.1520				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		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

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/d	lay							lb/c	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		3.5823	0.0550	1.0011	0.0758	2.0075	0.5562	0.07.20	0.6287		5,872.5825				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		6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

Mitigated Construction On-Site

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

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

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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/e	day						lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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		0.1459	6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136	12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

3.9 Building Construction (For Sale) - 2026

<u>Unmitigated</u>	Construction	On-Site
_		

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	iay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

Mitigated Construction On-Site

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

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

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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

Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117	12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5
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
Vendor	0.2771	12.0178	3.5346	0.0540	1.8492		1.9247	0.5360	0.0722	0.6082		5,764.8632		0.8639	6,024.3770
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Building Construction (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		3.4937	0.0529	1.9318	0.0750	2.0068	0.5562	0.01.10	0.6280		5,648.8658				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		6,404.2260
Total	2.3323	12.9745	21.3738	0.1130	9.7440	0.1071	9.8511	2.6284	0.1013	2.7297		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	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			0.0529	1.8492	0.0750	1.9243	0.5360	0.0718			5,648.8658	5,648.8658	0.0827		5,903.2615

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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

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
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

3.9 Building Construction (For Sale) - 2028

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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/c	lay							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.2153	12.8559	20.5483	0.1103	9.7441	0.1046	9.8486	2.6284	0.0989	2.7274		11,774.289 0	11,774.289 0	0.1960	0.9555	12,063.916 0

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0825	0.8299	5,785.4570
	1.9465		17.0850		7.4049		7.1010		0.0277	1.9999		6,238.1926	6,238.1926	0.1135	0.1256	6,278.4589

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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

Total	2.2153	12.8559	20.5483	0.1103	9.2542	0.1046	9.3587	2.5082	0.0989	2.6071	11,774.289	11,774.289	0.1960	0.9555	12,063.916
											0	0			0

3.10 Paving (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	1.9763		29.2515	0.0456		0.9370	0.9370		0.0021	0.8621		4,415.0944				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Off-Road	1.9763	19.0492		0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944				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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			215.0943				

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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

Total	0.0778	0.0424	0.6714	2.0900e-	0.2336	1.1800e-	0.2348	0.0622	1.0800e-	0.0633	215.0943	215.0943	5.1200e-	4.9100e-	216.6841
				003		003			003				003	003	

3.10 Paving (For Sale) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303		29.1559	0.0456		0.8371	0.8371		0	0.7701		4,413.4903				4,449.1756
Paving	0.1222					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/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Off-Road	1.8303	17.1633		0.0456		0.8371	0.8371			0.7701		4,413.4903	4,413.4903			4,449.1756
Paving	0.1222					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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		4.6400e- 003	4.6000e- 003	211.4028

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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

Total	0.0730	0.0382	0.6292	2.0100e-	0.2336	1.1300e-	0.2347	0.0622	1.0400e-	0.0633	209.9155	209.9155	4.6400e-	4.6000e-	211.4028
iotai	0.0730	0.0302	0.0232		0.2330	1.13006-	0.2347	0.0022		0.0033	203.3133	203.3133	4.04006-	4.00006-	211.4020
						003							003		
				003		003			003				003	003	

3.10 Paving (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303		29.1559	0.0456		0.8371	0.8371		0	0.7701		4,413.4903				4,449.1756
Paving	0.1222					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/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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/e	day							lb/d	lay		
	Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371			0.7701		4,413.4903	4,413.4903			4,449.1756
Ĺ	Paving	0.1222					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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		4.2400e- 003	4.3500e- 003	206.4889

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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

Total	0.0688	0.0348	0.5939	1.9500e-	0.2336	1.0700e-	0.2347	0.0622	9.9000e-	0.0632	205.0867	205.0867	4.2400e-	4.3500e-	206.4889
				003		003			004				003	003	

3.11 Arch Coating (Commercial) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Archit. Coating						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

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

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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

Total	0.4930	0.2686	4.2525	0.0132	1.4794	7.4500e-	1.4869	0.3940	6.8600e-	0.4009	1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
						003			003						

3.11 Arch Coating (Commercial) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 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						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		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 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						0.0000	0.0000			0.0000			0.0000			0.0000		
	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		

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e		
Category	lb/day										lb/day							
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000		
Vendor	0.0000	0.0000	0.0000	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			1,329.4649		0.0294		1,338.8841		

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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

Total	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-	1.4866	0.3940	6.5700e-	0.4006	1 320 4640	1.329.4649	0.0294	0.0291	1,338.8841
iotai	0.4024	0.2420	3.3040	0.0120	1.4734	7.14006-	1.4000	0.5540		0.4000	1,323.4043	1,323.4043	0.0234	0.0231	1,550.0041
						002			002						
						003			003						

3.11 Arch Coating (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N20	CO2e
Category					lb/d	lay							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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		0.4003		1,298.8826		0.0268		1,307.7629

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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

Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-	1.4862	0.3940	6.2600e-	0.4003	1.298.8826	1.298.8826	0.0268	0.0276	1.307.7629
iotai	0.4330	0.2204	3.7614	0.0124	1.4734		1.4002	0.3540		0.4003	1,290.0020	1,290.0020	0.0200	0.0276	1,307.7629
						003			003						

3.12 Arch Coating (Apartments) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N20	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0324	0.0311	1,372.3324

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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-	1.4869	0.3940	6.8600e-	0.4009	1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
						003			003		•	•			

3.12 Arch Coating (Apartments) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N20	CO2e
Category					lb/d	lay							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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/e	day							lb/c	lay		
Archit. Coating						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		0.0000	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0294	0.0291	1,338.8841

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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-	1.4866	0.3940	6.5700e-	0.4006	1 320 4640	1.329.4649	0.0294	0.0291	1,338.8841
iotai	0.4024	0.2420	3.3040	0.0120	1.4734	7.14006-	1.4000	0.5540		0.4000	1,323.4043	1,323.4043	0.0234	0.0231	1,550.0041
						002			002						
						003			003						

3.12 Arch Coating (Apartments) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating						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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N20	CO2e
Category					lb/d	lay							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Archit. Coating						0.0000	0.0000			0.0000			0.0000			0.0000
	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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		0.4003		1,298.8826		0.0268		1,307.7629

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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

Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-	1.4862	0.3940	6.2600e-	0.4003	1.298.8826	1.298.8826	0.0268	0.0276	1.307.7629
Iotai	0.4330	0.2204	3.7014	0.0124	1.4734	0.00006-	1.4002	0.5540	0.20006-	0.4003	1,230.0020	1,230.0020	0.0200	0.0270	1,307.7023
						002			002						
						003			003						
4															

3.13 Arch Coating (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	lay		
Archit. Coating						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			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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
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

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

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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

Total	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-	1.4862	0.3940	6.2600e-	0.4003	1 208 8826	1.298.8826	0.0268	0.0276	1.307.7629
iotai	0.4330	0.2204	3.7014	0.0124	1.4734	0.00006-	1.4002	0.5540		0.4003	1,230.0020	1,230.0020	0.0200	0.0270	1,307.7023
						002			003						
						003			003						

3.13 Arch Coating (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0262	1,279.4984

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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

Total	0.4115	0.2021	3.5723	0.0120	1.4794	6.4200e-	1.4858	0.3940	5.9100e-	0.3999	1,271.0720	1,271.0720	0.0246	0.0262	1.279.4984
iotai	0.4113	0.2021	3.3723	0.0120	1.4734	0.42006-	1.4000	0.5540		0.5555	1,271.0720	1,27 1.0720	0.0240	0.0202	1,273.4304
						003			003						
						003			003						

3.13 Arch Coating (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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		6.0100e- 003	1.4854	0.3940	F F000 -	0.3996		1,246.3266		0.0227		1,254.3714

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Ave	rage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	e %
Land Use	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	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	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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
NaturalGas Mitigated	0.7204	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026	7,956.5026			8,003.7841
NaturalGas Unmitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026				8,003.7841

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	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					Ib/o	day							lb/d	day		
Apartments Mid	8955.77	0.0966	0.8253	0.3512	5.2700e-		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
Rise					003												
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		615.5811
Restaurant w/o	6814.36		0.6681	0.5612	4.0100e- 003		0.0508	0.0508		0.0508	0.0508			801.6890		0.0147	806.4530
High Turnover (Sit Down Restaurant)	10221.5	0.1102	1.0021	0.8418	6.0100e- 003		0.0762	0.0762	3 : :	0.0762	0.0762		1,202.5334	1,202.5334	0.0231		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		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
Regional Shopping Center			0.1018		6.1000e- 004		7.7400e-003				7.7400e-003				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

	NaturalGa s 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/d	day							lb/d	lay		
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		0.6681	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		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

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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/d	lay							lb/c	lay		
ŭ	392.1313						67.2953			67.2953	·		6			10,511.121 6
Unmitigated	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.662 6	9.6009		10,511.121 6

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	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/d	day							lb/c	lay		
Architectural	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Coating																
Consumer	25.2305					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Products																
Hearth	361.0777	7.5390	472.7212	0.9020		66.9972	66.9972		66.9972	66.9972	7,242.1739	2,779.4118	10,021.585 7	9.5071	0.5115	10,411.699 3
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	10,118.662	9.6009	0.5115	10,511.121
													6			6

Mitigated

	ROG	NOx	СО	SO2	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/d	day							lb/c	lay		
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	10,021.585 7	9.5071	0.5115	10,411.699 3
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	10,118.662 6	9.6009	0.5115	10,511.121 6

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet
Install Low Flow Kitchen Faucet

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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

10.0 Stationary Equipment

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	
Hear Defined Equipment						ı

User Defined Equipment

Equipment Type Number

11.0 Vegetation

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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

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)63Climate Zone4Operational Year2028

Utility Company Pacific Gas and Electric Company

 CO2 Intensity
 203.98
 CH4 Intensity
 0.033
 N2O Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution 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

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
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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

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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
	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	: ************************************		
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
	: [
tblOffRoadEquipment	OffRoadEquipmentUnitAmount 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
	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	.		
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
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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
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tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
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t			

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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

Bit Wehide Trips	2			
bb/vehicleTrips	tblVehicleTrips	PR_TP	66.00	100.00
BiVehicleTrips	tblVehicleTrips		86.00	100.00
bb/ehicleTrips	tblVehicleTrips		51.00	100.00
bb/ehicleTrips	tblVehicleTrips	PR_TP	37.00	100.00
btVehicleTrips	tblVehicleTrips	PR_TP	58.00	100.00
tb/VehicleTrips	tblVehicleTrips	PR_TP	54.00	100.00
tb/VehicleTrips ST_TR 4.91 3.45 tb/VehicleTrips ST_TR 1.96 0.44 tb/VehicleTrips ST_TR 8.14 3.72 tb/VehicleTrips ST_TR 696.00 248.50 tb/VehicleTrips ST_TR 122.40 107.20 tb/VehicleTrips ST_TR 8.19 4.31 tb/VehicleTrips ST_TR 46.12 18.11 tb/VehicleTrips ST_TR 9.54 5.20 tb/VehicleTrips SU_TR 4.09 3.45 tb/VehicleTrips SU_TR 4.09 3.45 tb/VehicleTrips SU_TR 2.19 0.44 tb/VehicleTrips SU_TR 6.28 3.72 tb/VehicleTrips SU_TR 50.00 248.50 tb/VehicleTrips SU_TR 5.95 4.31 tb/VehicleTrips SU_TR 5.95 4.31 tb/VehicleTrips SU_TR 5.95 4.31 tb/VehicleTrips WD_TR 5.54 3.45	tblVehicleTrips	PR_TP	86.00	100.00
tit/VehicleTrips	tblVehicleTrips	ST_TR	4.91	3.45
bitNehicleTrips	tblVehicleTrips	ST_TR		0.44
btVehicleTrips	•			3.72
tbl/ehicleTrips ST_TR 122.40 107.20 tbl/ehicleTrips ST_TR 8.19 4.31 tbl/ehicleTrips ST_TR 46.12 18.11 tbl/ehicleTrips ST_TR 9.54 5.20 tbl/ehicleTrips SU_TR 4.09 3.45 tbl/ehicleTrips SU_TR 2.19 0.44 tbl/ehicleTrips SU_TR 6.28 3.72 tbl/ehicleTrips SU_TR 500.00 248.50 tbl/ehicleTrips SU_TR 142.64 107.20 tbl/ehicleTrips SU_TR 5.95 4.31 tbl/ehicleTrips SU_TR 21.10 18.11 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 37.75 18.11 <	tblVehicleTrips	ST_TR	696.00	248.50
bit bit	tblVehicleTrips	ST_TR	122.40	107.20
tbl/VehicleTrips ST_TR 9.54 5.20 tbl/VehicleTrips SU_TR 4.09 3.45 tbl/VehicleTrips SU_TR 2.19 0.44 tbl/VehicleTrips SU_TR 6.28 3.72 tbl/VehicleTrips SU_TR 500.00 248.50 tbl/VehicleTrips SU_TR 142.64 107.20 tbl/VehicleTrips SU_TR 5.95 4.31 tbl/VehicleTrips SU_TR 21.10 18.11 tbl/VehicleTrips SU_TR 8.55 5.20 tbl/VehicleTrips WD_TR 5.44 3.45 tbl/VehicleTrips WD_TR 0.78 0.44 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 7.32 3.72 tbl/VehicleTrips WD_TR 112.18 107.20 tbl/VehicleTrips WD_TR 346.23 248.50 tbl/VehicleTrips WD_TR 31.21 37.75 18.11	tblVehicleTrips	ST_TR	8.19	4.31
tbl/ehicleTrips ST_TR 9.54 5.20 tbl/ehicleTrips SU_TR 4.09 3.45 tbl/ehicleTrips SU_TR 2.19 0.44 tbl/ehicleTrips SU_TR 6.28 3.72 tbl/ehicleTrips SU_TR 500.00 248.50 tbl/ehicleTrips SU_TR 142.64 107.20 tbl/ehicleTrips SU_TR 5.95 4.31 tbl/ehicleTrips SU_TR 21.10 18.11 tbl/ehicleTrips SU_TR 8.55 5.20 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 12.18 107.20 tbl/ehicleTrips WD_TR 37.75 18.11				18.11
tbl/ehicleTrips SU_TR 4.09 3.45 tbl/ehicleTrips SU_TR 2.19 0.44 tbl/ehicleTrips SU_TR 6.28 3.72 tbl/ehicleTrips SU_TR 500.00 248.50 tbl/ehicleTrips SU_TR 142.64 107.20 tbl/ehicleTrips SU_TR 5.95 4.31 tbl/ehicleTrips SU_TR 21.10 18.11 tbl/ehicleTrips SU_TR 8.55 5.20 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	ST_TR	9.54	5.20
tbl/ehicleTrips SU_TR 6.28 3.72 tbl/ehicleTrips SU_TR 500.00 248.50 tbl/ehicleTrips SU_TR 142.64 107.20 tbl/ehicleTrips SU_TR 5.95 4.31 tbl/ehicleTrips SU_TR 21.10 18.11 tbl/ehicleTrips SU_TR 8.55 5.20 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	SU_TR		
tb/VehicleTrips SU_TR 6.28 3.72 tb/VehicleTrips SU_TR 500.00 248.50 tb/VehicleTrips SU_TR 142.64 107.20 tb/VehicleTrips SU_TR 5.95 4.31 tb/VehicleTrips SU_TR 21.10 18.11 tb/VehicleTrips SU_TR 8.55 5.20 tb/VehicleTrips WD_TR 5.44 3.45 tb/VehicleTrips WD_TR 0.78 0.44 tb/VehicleTrips WD_TR 7.32 3.72 tb/VehicleTrips WD_TR 346.23 248.50 tb/VehicleTrips WD_TR 112.18 107.20 tb/VehicleTrips WD_TR 8.36 4.31 tb/VehicleTrips WD_TR 37.75 18.11	tblVehicleTrips		•	
tbl/ehicleTrips SU_TR 500.00 248.50 tbl/ehicleTrips SU_TR 142.64 107.20 tbl/ehicleTrips SU_TR 5.95 4.31 tbl/ehicleTrips SU_TR 21.10 18.11 tbl/ehicleTrips SU_TR 8.55 5.20 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	SU_TR	6.28	3.72
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	SU_TR	500.00	248.50
tbl/ehicleTrips SU_TR 5.95 4.31 tbl/ehicleTrips SU_TR 21.10 18.11 tbl/ehicleTrips SU_TR 8.55 5.20 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	SU_TR	142.64	107.20
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	SU_TR	5.95	4.31
tbl/ehicleTrips SU_TR 8.55 5.20 tbl/ehicleTrips WD_TR 5.44 3.45 tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	SU_TR	21.10	18.11
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	SU_TR	8.55	5.20
tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	•	_	5.44	3.45
tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	0.78	0.44
tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips WD_TR 8.36 4.31 tblVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	346.23	248.50
tblVehicleTrips WD_TR 8.36 4.31 tblVehicleTrips WD_TR 37.75 18.11		<u> </u>		
tblVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips WD_TR 9.44 5.20	tblVehicleTrips	WD_TR		
		WD_TR	9.44	5.20

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission) <u>Unmitigated Construction</u>

	ROG	NOx	СО	SO2	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											
2023	23.4726	235.9893	184.0495	0.4054	76.4067	10.2471	86.6538	35.1492	9.4781	44.6273	0.0000	39,325.512 2	39,325.512 2	11.2280	0.2467	39,679.713 3
2024	97.7761	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.89 00	101,358.89 00	18.5182	3.5197	.102,857.31 60
2025	89.5276	289.2111	371.9140	0.9294	68.6901	10.8218	79.5119	23.5360	10.0739	33.6099	0.0000	92,864.329 1	92,864.329 1	15.4986	3.4228	94,271.787 7
2026			300.4635		33.2571		40.6037	8.9529	6.8759	15.8288		73,721.432 5	5			74,911.308 6
2027			113.3767		21.0488	2.4343	23.4832	5.6708	2.2970	7.9678	0.0000	35,104.021 8	35,104.021 8	2.9112	2.0309	35,782.003 2
2028	44.6733	41.2508	59.3027	0.1770	11.3049	1.2689	12.5738	3.0424	1.2002	4.2426	0.0000	18,173.030 0	18,173.030 0	1.4719	1.0058	18,509.568 0
Maximum	105.8410	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.89 00	101,358.89 00	18.5182	3.5197	102,857.31 60

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

	ROG	NOx	СО	SO2	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/d	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	39,325.512 1	39,325.512 1	11.2280	0.2467	39,679.713 3
2024			419.2025		64.1828		79.1128	23.5877	14.5399			99	101,358.88 99			102,857.31 59
2025			371.9140		47.1038		57.9256	14.8776					92,864.329 0			94,271.787 6
2026		199.7836	300.4635	0.7320	31.5775	7.3466	38.9242	8.5406	6.8759	15.4165	0.0000	73,721.432 5	73,721.432 5	9.9529	3.1579	74,911.308 5
2027		80.2771	113.3767	0.3425	19.9876	2.4343	22.4220	5.4103	2.2970	7.7073	0.0000	35,104.021 8	35,104.021 8	2.9112	2.0309	35,782.003 2
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 0	18,173.030 0	1.4719	1.0058	18,509.568 0
Maximum	105.8410	389.2552	419.2025	1.0184	64.1828	15.6583	79.1128	23.5877	14.5399	37.4592	0.0000	101,358.88 99	101,358.88 99	18.5182	3.5197	102,857.31 59

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Area	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.662 6	9.6009	0.5115	10,511.121 6
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026			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		53,780.131 5	53,780.131 5	3.1926	2.7075	54,666.772 1
Total	415.3765	45.8010	768.5724	1.4506	62.5350	68.1627	130.6977	16.6572	68.1385	84.7957	7,242.1739	64,613.122 7	71,855.296 6	12.9460	3.3649	73,181.677 8

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	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	10,118.662 6	9.6009	0.5115	10,511.121 6
Energy	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026				8,003.7841
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131 5		3.1926		54,666.772 1
Total	415.3765	45.8010	768.5724	1.4506	62.5350	68.1627	130.6977	16.6572	68.1385	84.7957	7,242.1739	64,613.122 7	71,855.296 6	12.9460	3.3649	73,181.677 8

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

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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	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
	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
	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
	Welders	1	8.00	46	0.45
	Air Compressors	2	6.00	78	0.48
Paving (Commercial)	Pavers	4	8.00	130	0.42
Paving (Commercial)	Paving Equipment	4	:	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
Building Construction (Apartment)	Cranes	2	7.00	231	0.29
	Forklifts	- 6		89	0.20
	Generator Sets	°:	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
	Cranes	2	7.00	231	0.43
	Forklifts	6	7.00 8.00	231 89	0.29
Dullaring Coriolitaction (FOI Sale)	i Orniilo	0	0.00	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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	6.4100e-003		0.0972	1.9300e- 003	0.0566	3.6200e- 003	0.0602	0.0155	3.4700e- 003	0.0190		207.7288		003		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

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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

Worker	0.0848	0.0590	0.6924	2.0000e-	0.2464	1.2400e-	0.2477	0.0654	1.1400e-	0.0665	204.7502	204.7502	6.4600e-	6.0800e-	206.7242
			•	003		003			003				003	003	
Total	0.0912	0.4921	0.7896	3.9300e-	0.3031	4.8600e-	0.3079	0.0809	4.6100e-	0.0855	412.4790	412.4790	0.0109	0.0389	424.3431
iotai	0.0912	0.4321	0.7030	003	0.3031	003	0.3073	0.0009	003	0.0655	412.4730	412.4730	0.0109	0.0303	424.3431

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		1.2400e- 003	0.2348	0.0622	1.1400e- 003			204.7502			6.0800e- 003	
Total	0.0912	0.4921	0.7896	3.9300e- 003	0.2876	4.8600e- 003	0.2925	0.0771	4.6100e- 003	0.0817		412.4790	412.4790	0.0109	0.0389	424.3431

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
Total	4.4875	41.7563	39.4147	0.0777	0.6993	1.9203	2.6196	0.1059	1.7844	1.8903		7,494.8455	7,494.8455	2.0969		7,547.2690

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	6.4000e-003		0.0976	1.9000e- 003		3.6600e- 003	0.0603		3.5000e- 003			204.6850		003		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

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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

Worker	0.0794	0.0526	0.6475	1.9400e-	0.2464	1.1800e-	0.2476	0.0654	1.0800e-	0.0665	199.7034	199.7034			201.5398
				003		003			003				003	003	
Total	0.0858	0.4877	0.7451	3.8400e-	0.3031	4.8400e-	0.3079	0.0809	4.5800e-	0.0855	404.3884	404.3884	0.0103	0.0380	415.9737
rotar	0.0050	0.4077	0.7451	003	0.3031	003	0.3073	0.0003	003	0.0033	404.3004	404.3004	0.0103	0.0360	413.9737

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					0.2990	0.0000	0.2990	0.0453		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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		1.1800e- 003	0.2348	0.0622	1.0800e- 003						5.6700e- 003	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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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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-	0.2875	1.4400e-	0.2890	0.0763	1.3300e-	0.0776	238.8752	238.8752	7.5400e-	7.1000e-	241.1782
				003		003			003				003	003	
Total	0.0989	0.0688	0.8078	2.3300e-	0.2875	1.4400e-	0.2890	0.0763	1.3300e-	0.0776	238.8752	238.8752	7.5400e-	7.1000e-	241.1782
				003		003			003				003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					16.8067		16.8067	8.6376	0.0000				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				238.8752			
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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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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-	0.2875	1.3700e-	0.2889	0.0763	1.2600e-	0.0775	232.9873	232.9873	6.8400e-	6.6200e-	235.1298
				003		003			003				003	003	
Total	0.0926	0.0614	0.7554	2.2600e-	0.2875	1.3700e-	0.2889	0.0763	1.2600e-	0.0775	232.9873	232.9873	6.8400e-	6.6200e-	235.1298
lotal	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
Total	5.3218	54.3520	36.6713	0.0762	16.8067	2.4587	19.2654	8.6376	2.2620	10.8996	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588

Mitigated Construction Off-Site

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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		16,898.713 5	16,898.713 5	5.4654		17,035.348 2
Total	9.9759	106.0611	71.4588	0.1745	34.7095	4.2903	38.9998	14.3885	3.9471	18.3355		16,898.713 5	16,898.713 5	5.4654		17,035.348 2

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0354	2.3937	0.5372	0.0106	0.3129	0.0200	0.3329	0.0858	0.0192			1,148.0648	1,148.0648			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

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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

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
Total	0.1768	2.4920	1.6913	0.0140	0.7236	0.0221	0.7457	0.1948	0.0211	0.2158	1,489.3151	1,489.3151	0.0350	0.1915	1,547.2652

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					14.8383		14.8383	6.1511	0.0000				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
Total	9.9759	106.0611	71.4588	0.1745	14.8383	4.2903	19.1286	6.1511	3.9471	10.0981	0.0000	16,898.713 5	16,898.713 5	5.4654		17,035.348 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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			341.2503	341.2503			344.5403
Total	0.1768	2.4920	1.6913	0.0140	0.6880	0.0221	0.7101	0.1860	0.0211	0.2071		1,489.3151	1,489.3151	0.0350	0.1915	1,547.2652

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Total	9.6952	99.9063	70.4246	0.1745	34.7095	4.0528	38.7623	14.3885	3.7286	18.1170		16,892.139 5	16,892.139 5	5.4633		17,028.721 0

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0354	2.4045	0.5395	0.0105	0.3129	0.0202	0.3331	0.0858		0.1051		1,131.2425	1,131.2425			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

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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

Worker	0.1323	0.0877	1.0792	3.2300e-	0.4107	1.9600e-	0.4127	0.1090	1.8100e-	0.1108	332.8391	332.8391	9.7800e-	9.4500e-	335.8997
				003		003			003				003	003	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					14.8383		14.8383	6.1511	0.0000				0.0000		<u>.</u>	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
Total	9.6952	99.9063	70.4246	0.1745	14.8383	4.0528	18.8911	6.1511	3.7286	9.8796	0.0000	16,892.139 5	16,892.139 5	5.4633		17,028.721 0

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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		9.4500e- 003	
Total	0.1677	2.4922	1.6187	0.0137	0.6881	0.0222	0.7102	0.1860	0.0211	0.2072		1,464.0816	1,464.0816	0.0342	0.1882	1,521.0219

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
Total	8.7302	86.3597	66.0883	0.1744	34.7095	3.4463	38.1558	14.3885	3.1706	17.5590		16,886.580 8	16,886.580 8	5.4615		17,023.117 3

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0352	2.3963	0.5404	0.0103	0.3129	0.0202	0.3331	0.0858		0.1051		1,110.4717	1,110.4717			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

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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

Worker	0.1244	0.0791	1.0143	3.1200e-	0.4107	1.8800e-	0.4126	0.1090	1.7300e-	0.1107	324.8721	324.8721	8.9000e-	8.8600e-	327.7350
		:	:	003		003			003		•	:	003	003	:
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					14.8383		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	16,886.580 8	16,886.580 8	5.4615		17,023.117 3
Total	8.7302	86.3597	66.0883	0.1744	14.8383	3.4463	18.2846	6.1511	3.1706	9.3217	0.0000	16,886.580 8	16,886.580 8	5.4615		17,023.117 3

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		1.8800e- 003	0.3912	0.1037	1.7300e- 003			324.8721	324.8721			
Total	0.1596	2.4754	1.5547	0.0134	0.6881	0.0221	0.7101	0.1860	0.0210	0.2071		1,435.3438	1,435.3438	0.0335	0.1844	1,491.1200

3.5 Infrastructure (Trenching) - 2023 <u>Unmitigated Construction On-Site</u>

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

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

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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-	0.3697	1.8500e-	0.3715	0.0981	1.7100e-	0.0998	307.1253	307.1253	9.6900e-	9.1200e-	310.0863
iotai	0.12/2	0.0004	1.0307		0.3031	1.03006-	0.57 15	0.0301	1.7 1006-	0.0330	307.1233	307.1233	3.03000		310.0003
				003		003			003				003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4198				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

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

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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.7700e- 003	0.3522	0.0933	1.6300e- 003	0.0950		299.5552	299.5552	8.8000e- 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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0981	1.5600e- 003	0.0996			292.3849			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

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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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.6900e- 003	0.3521	0.0933	1.5600e- 003			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 <u>Unmitigated Construction On-Site</u>

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

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

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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

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

3.6 Building Construction (Commercial) - 2024

Unmitigated Construction On-Site

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

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

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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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	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		0.0822		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

3.6 Building Construction (Commercial) - 2025 <u>Unmitigated Construction On-Site</u>

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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	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				6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

Г	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
П					PM10	PM10		PM2.5	PM2.5							

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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/c	day						lb/d	lay	
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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	,	0.0822	0.8820	6,147.5513
Worker	2.3660	1.5038	19.2916	0.0593			7.4406	1.9722	0.0329	2.0051		6,179.0678				6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

3.6 Building Construction (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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		6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

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

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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

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	9,384.2011
													:
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				7.4389	1.9722	0.0313			6,037.5455				6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	ay		
Off-Road		21.4868	32.8718	0.0516		1.0589	1.0589		0.0000	0.9839		4,977.9905	4,977.9905			5,014.4812
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.4259	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

Unmitigated Construction Off-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category							lb/d	ay								
Off-Road	Ē	21.4868		0.0516		1.0589	1.0589		0.9839	0.9839		4,977.9905				5,014.4812

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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

Paving	0.0881				0.0000	0.0000	0.0000	0.0000			0.0000		0.0000
Total	2.4259	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.2739	0.0726	1.2600e- 003	0.0739		232.9873	232.9873	6.8400e- 003	6.6200e- 003	235.1298
Total	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

3.7 Paving (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	lay		
Off-Road		19.4543	32.7742	0.0515		0.9401	0.9401		0.0701	0.8731		4,976.3864	4,976.3864			5,012.8393
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road			32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864				5,012.8393

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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
Total	2.2601	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				0.0726	1.2100e- 003	0.0738		227.4105	227.4105	6.2300e- 003	6.2000e- 003	229.4145
Total	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

3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	lay		
Off-Road		19.4543	32.7742	0.0515		0.9401	0.9401		0.0701	0.8731		4,976.3864	4,976.3864			5,012.8393
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

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

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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
Total	2.2601	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.2500e- 003		0.0726	1.1500e- 003	0.0737		222.2020				
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122	0.0373		2.0722	0.0344	2.1065		6,330.5989	6,330.5989	0.1859		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

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

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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	E 144 6462
IOlai	2.9431	20.0070	32.3330	0.0559	1.2200	1.2200	1.1336	1.1556	0.0000	5,111.3976	3,111.3970	1.2007	5,141.6153
4													
1													

Mitigated Construction Off-Site

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

3.8 Building Construction (Apartment) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		7.8480	2.0722	0.0329	2.1051		6,179.0678	6,179.0678	0.1692		6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			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		6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

3.8 Building Construction (Apartment) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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			6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.7010		0.0541	110102		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				6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

3.8 Building Construction (Apartment) - 2027

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				5,957.3586
Total	2.3755	13.9283	20.9753	0.1088	9.7440	0.1073	9.8513	2.6284	0.1015	2.7299		11,567.370 0	11,567.370 0	0.2241	1.0003	11,871.064 2

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				5,957.3586
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

3.9 Building Construction (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.7021	0.7000	0.0561	1.0010	0.0761	2.0077	0.5562	0.0720	0.6289		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5,989.3191		0.8977	6,258.8785
Worker	2.5160	1.6688	20.5264		7.8122	0.0373	7.8495	2.0722	0.0344	2.1065	•••••	6,330.5989	6,330.5989	0.1859		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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978				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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	.=	3.7636	0.0001	1.8491	0.0701	1.9251	0.5359	0.0728	0.6087		5,989.3191				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		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

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/d	day							lb/c	day		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.7027	0.0551		0.0761	2.0077	0.5562	0.07.20	0.6290		5,882.6593	,			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				6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
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

Г	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
П					PM10	PM10		PM2.5	PM2.5							

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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/e	day						lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			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			0.1685	6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138	12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

3.9 Building Construction (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		•••••	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
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0541	1.8492		1.9249	0.5360	0.0724	0.6084	5,774.8306				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
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119	11,812.376	11,812.376	0.2370	1.0253	12,123.833
											1	1			4

3.9 Building Construction (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day				lb/d	lay					
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.012.	0.0100	0.0530			2.0070	0.5562	0.0720			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		5,957.3586
Total	2.3755	13.9283	20.9753	0.1088	9.7440	0.1073	9.8513	2.6284	0.1015	2.7299		11,567.370 0	11,567.370 0	0.2241	1.0003	11,871.064 2

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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

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

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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

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
Total	2.3755	13.9283	20.9753	0.1088	9.2541	0.1073	9.3614	2.5082	0.1015	2.6097	11,567.370	11,567.370	0.2241	1.0003	11,871.064
											0	0			2

3.9 Building Construction (For Sale) - 2028

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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		11,339.639 4	11,339.639 4	0.2131	0.9769	11,636.073 3

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0817	0.8319	5,795.7583
Worker	2.0055		16.6161		7.4049		7.4349		0.0277			5,793.8213	5,793.8213	0.1314	0.1450	5,840.3150

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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

Total	2.2597	13.7885	20.1953	0.1063	9.2542	0.1048	9.3589	2.5082	0.0991	2.6073	11,339.639	11,339.639	0.2131	0.9769	11,636.073
											4	4			3

3.10 Paving (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
on noda	1.9763		29.2515			0.3370	0.9370		0.0021	0.8621		4,415.0944				4,450.7927
Paving	0.1222					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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.9763	19.0492	29.2515	0.0456		0.9370	0.9370		0.8621	0.8621		4,415.0944	·		•	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	4 0000-	0.0633		199.7034	199.7034	5.8700e- 003	5.6700e- 003	201.5398

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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

Total	0.0794	0.0526	0.6475	1.9400e-	0.2336	1.1800e-	0.2348	0.0622	1.0800e-	0.0633	199.7034	199.7034	5.8700e-	5.6700e-	201.5398
	0.0.0.	0.0020	0.0		0.2000		0.20.0	0.0022		0.0000					_0000
				002		003			002				002	002	
				003					003				003	003	

3.10 Paving (For Sale) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Off-Road	1.8303		29.1559	0.0456		0.8371	0.8371		0	0.7701		4,413.4903				4,449.1756
Paving	0.1222					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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/	day							lb/c	lay		
Off-Road	1.8303		29.1559	0.0456		0.8371	0.8371			0.7701		4,413.4903	·			4,449.1756
Paving	0.1222					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

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	003	5.3200e- 003	196.6410

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

T-1-1	0.0740	0.0474	0.0000	4.0700-	0.0000	4 4000-	0.0047	0.0000	4.0400-	0.0000	404 0000	404 0000	E 0 400-	F 0000-	400.0440
Total	0.0746	0.0474	0.6086	1.8700e-	0.2336	1.1300e-	0.2347	0.0622	1.0400e-	0.0633	194.9233	194.9233	5.3400e-	5.3200e-	196.6410
				003		003			003				003	003	

3.10 Paving (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303		29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903				4,449.1756
Paving	0.1222					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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303	17.1633	29.1559	0.0456		0.8371	0.8371		0.7701	0.7701		4,413.4903	·			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

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	003	5.0200e- 003	192.0782

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

	0.0000	0.0400	A 5-5-	4.0400		4.0000	0.00.45			0.0000	100 1500	100 1500	4.0000	F 0000	100 0700
Total	0.0706	0.0432	0.5757	1.8100e-	0.2336	1.0700e-	0.2347	0.0622	9.9000e-	0.0632	190.4589	190.4589	4.8800e-	5.0200e-	192.0782
				003		003			004				003	003	
				000		000			00-7				000	000	

3.11 Arch Coating (Commercial) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating						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

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0359	1,276.4187

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Total	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-	1.4869	0.3940	6.8600e-	0.4009	1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
						003			003						

3.11 Arch Coating (Commercial) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0337	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/d	day							lb/d	day		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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			1,234.5141		0.0338		1,245.3931

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Total	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-	1.4866	0.3940	6.5700e-	0.4006	1.234.5141	1.234.5141	0.0338	0.0337	1,245.3931
iotai	0.4727	0.0004	0.0040	0.0113	1.4754		1.4000	0.0040		0.4000	1,204.0141	1,204.0141	0.0000	0.0007	1,240.0001
						003			002						
									003						

3.11 Arch Coating (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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		6.8000e- 003	1.4862	0.3940		0.4003		1,206.2394		0.0309		1,216.4950

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Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-	1.4862	0.3940	6.2600e-	0.4003	1	1.206.2394	1.206.2394	0.0309	0.0318	1.216.4950
	011100	0.2.00	0.0.00	0.01.0		003		0.0010	003	0.1000		1,200.200	.,200,200	0.0000	0.00.0	.,

3.12 Arch Coating (Apartments) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Archit. Coating						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

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0359	1,276.4187

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Total	0.5027	0.3334	4.1010	0.0123	1.4794	7.4500e-	1.4869	0.3940	6.8600e-	0.4009	1,264.7884	1,264.7884	0.0372	0.0359	1,276.4187
						003			003						

3.12 Arch Coating (Apartments) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating						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

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	,	0.0338	0.0337	1,245.3931

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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-	1.4866	0.3940	6.5700e-	0.4006	1.234.5141	1.234.5141	0.0338	0.0337	1,245.3931
iotai	0.4727	0.0004	0.0040	0.0113	1.4754		1.4000	0.0040		0.4000	1,204.0141	1,204.0141	0.0000	0.0007	1,240.0001
						003			002						
									003						

3.12 Arch Coating (Apartments) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0318	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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		6.8000e- 003	1.4862	0.3940		0.4003		1,206.2394		0.0309		1,216.4950

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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-	1.4862	0.3940	6.2600e-	0.4003	1.206.2394	1.206.2394	0.0309	0.0318	1.216.4950
iotai	0.4400	0.2700	0.0400	0.0110	1.4754		1.4002	0.0040		0.4000	1,200.2004	1,200.2004	0.0000	0.0010	1,210.4300
						003			002						
									003						

3.13 Arch Coating (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0318	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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		6.8000e- 003	1.4862	0.3940		0.4003		1,206.2394		0.0309		1,216.4950

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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-	1.4862	0.3940	6.2600e-	0.4003	1.206.2394	1.206.2394	0.0309	0.0318	1.216.4950
iotai	0.4400	0.27.00	0.0400	0.0110	1.4754		1.4002	0.0040		0.4000	1,200.2004	1,200.2004	0.0000	0.0010	1,210.4300
						000			000					1	
						003			003					1	
														1	
														1	

3.13 Arch Coating (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0303	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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating	00.0001					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3417		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

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

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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-	1.4858	0.3940	5.9100e-	0.3999	1.180.4883	1.180.4883	0.0284	0.0303	1.190.2189
	0200	0.2000	000	0.02				0.00.0	0.0.00	0.0000	.,	.,	0.020.	0.0000	.,
						002			003						
						003			003						

3.13 Arch Coating (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	day		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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		6.0100e- 003	1.4854	0.3940	F F000-	0.3996		1,157.5458		0.0263		1,166.8348

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/	day		DMO F	DI 10 F				lb/d	day		
Mitigated			237.5484	-	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131			-	54,666.772
	22.5159			0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131				54,666.772

4.2 Trip Summary Information

	Ave	rage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	e %
Land Use	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	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	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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
NaturalGas Mitigated	0.7204	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026				8,003.7841
NaturalGas Unmitigated	0.7294	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026				8,003.7841

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	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/e	day							lb/d	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		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		0.6681	0.5612	4.0100e- 003		0.0508	0.0508		0.0508	0.0508			801.6890		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		0.0221	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

	NaturalGa s Use	ROG	NOx	СО	SO2	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/d	day							lb/d	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		0.6681	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

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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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Mitigated	392.1313						67.2953			67.2953			6			10,511.121 6
Unmitigated	392.1313	8.1583	526.5373	0.9049		67.2953	67.2953		67.2953	67.2953	7,242.1739	2,876.4887	10,118.662 6	9.6009		10,511.121 6

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	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/d	day							lb/d	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	10,021.585 7	9.5071	0.5115	10,411.699 3
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	10,118.662 6	9.6009	0.5115	10,511.121 6

Mitigated

	ROG	NOx	СО	SO2	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/d	day							lb/c	lay		
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	10,021.585 7	9.5071	0.5115	10,411.699 3
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	10,118.662 6	9.6009	0.5115	10,511.121 6

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet
Install Low Flow Kitchen Faucet

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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

10.0 Stationary Equipment

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 - 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

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)63Climate Zone4Operational Year2028

Utility Company Pacific Gas and Electric Company

 CO2 Intensity
 203.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution timeline

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

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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
		0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated NumberOfEquipmentMitigated		
tblConstEquipMitigation		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
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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
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tblConstructionPhase	NumDays	110.00	566.00
tblConstructionPhase	NumDays	110.00	393.00
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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
· · · · · · · · · · · · · · · · · · ·	NumberWood	66.30	0.00
tblFireplaces	: [
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00

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

SCHROLED priest	#10#D IF i	040 - 45 - 45 - 44 - 44 - 44	4.00	
BOPROSEQuerent Officeael Capperent Inchances 1,00 2,00	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
MOPRISANE Suppress	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
BOPRoadEquipment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
MCMRoseEquipment	thIOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2 00
BIOFRecolit quinnet		:		
SOFReadEquipment				
Bull	tblOffRoadEquipment			
BORNOLOGY DEPART	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BORNOWERS Quimmer	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BibRookEquipment		:		
BCRTCodEquipment		<u> </u>		
BORROUTE-upment		- · · · · · · · · · · · · · · · · · · ·		
BORFoodEquipment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BUTTROMERQUERMENT			1.00	2.00
BOFFicial Equipment		OffRoadEquipmentUnitAmount		
BOPPROSES_upment		[1.00	2 00
BOFFRoatEquipment		:		
BOPRoseEquipment		<u>. </u>	1.00	4.00
BORROSEGupment		OffRoadEquipmentUnitAmount	2.00	4.00
BiOffRoadEquipment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
BORROUSE_upment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BUCHROadEquipment				
Tel-OfficeadEquipment				
## ## ## ## ## ## ## ## ## ## ## ## ##				
tbOfRoadEquipment OffRoadEquipment 1.00 4.00 tbOfRoadEquipment OffRoadEquipmentUniAnnount 3.00 6.00 tbOfRoadEquipment OffRoadEquipmentUniAnnount 3.00 6.00 tbOfRoadEquipment OffRoadEquipmentUniAnnount 3.00 6.00 tbOfRoadEquipment OffRoadEquipmentAnnount 3.00 6.00 tbOfRoadEquipment OffRoadEquipmentUniAnnount 3.00 6.00 tbOfRoadEquipment OffRoadEquipmentUniAnnount 2.00 4.00 tbOfRoadEquipment OffRoadEquipmentUniAnnount 4.00 8.00 tbOffRoadEquipment OffRoadEquipmentUniAnnount 1.00 2.00 tbOffRoadEquipment OffRoa		OffRoadEquipmentUnitAmount		
## BORRadEquipment OfficadEquipmentUniAmount 1.00 4.00 ## BORRadEquipment OfficadEquipmentUniAmount 2.00 6.00 ## BORRadEquipment OfficadEquipmentUniAmount 3.00 6.00 ## BORRadEquipment OfficadEquipmentUniAmount 2.00 4.00 ## BORRadEquipment OfficadEquipmentUniAmount 2.00 4.00 ## BORRadEquipment OfficadEquipmentUniAmount 1.00 2.00 ## BORRadEquipment OfficadEquipmentUniAmount 1.00 2.00 ## BORRadEquipment OfficadEquipmentUniAmount 1.00 2.00 ## BORRadEquipment OfficadEquipmentUniAmount 1.00 0.00 ## BORRADEQUIPMENT OfficadEq	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
## HORRandEquipment OfficadEquipment.Infa/Amount 3.00 6.00 ## HORRandEquipment OfficadEquipment.Infa/Amount 4.00 8.00 ## HORRANDEQUIPMENT OFFICADE 8.00 ## HORRANDEQUIPMENT OFFICADE 8.00 ## HORRANDEQUIPM	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BORROAGEQUIPMENT ORROAGEQUIPMENT 3.00 6.00	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
TOTROSEQUEMENT OffRoadEquipment OffRoadEquipm		<u> </u>		
BIORROADEQUIPMENT		<u></u>		
BLOFFRoadEquipment			3.00	6.00
Diction	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
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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

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) <u>Unmitigated Construction</u>

	ROG	NOx	CO	SO2	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/d	day							lb/d	lay		
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			39,761.097 4
2024	61.8298	385.9055	421.5621	1.0351	108.2915		123.2206	43.8171	14.5391	57.6878		103,085.80 30	103,085.80 30	18.4451		104,554.03 80
2025	53.5728	285.8876	373.8762		68.6901		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

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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
Year					lb/e	day							lb/d	day		
2023	5.5626	25.5412	213.4988	0.4062	33.5426	0.7490	34.2916	15.2629	0.7475	16.0104	0.0000	39,408.379 2	39,408.379 2	11.2239	0.2420	39,761.097 4
2024			469.4893		64.1828		65.8577	23.5877	1.6759	25.2413		103,085.80 29	29			104,554.03 80
2025			421.9265	0.9453	47.1038	1.4977	48.6015	14.8776	1.4769	16.3545	0.0000	94,528.494 6	94,528.494 6	15.4227	3.3351	95,907.934 0
2026	39.8178	67.2356	330.8211	0.7473	31.5775	1.1835	32.7611	8.5406	1.1642	9.7048	0.0000	75,321.563 6	75,321.563 6	9.8834	3.0764	76,485.407 1
2027	20.2961	36.6998	120.4448	0.3518	19.9876	0.5436	20.5313	5.4103	0.5315	5.9418		36,081.696 4	4			36,744.129 2
2028	16.8166	18.4458	62.8567	0.1819	10.7336	0.2760	11.0096	2.9022	0.2699	3.1721		18,696.460 5				19,024.947 2
Maximum	39.8178	85.1313	469.4893	1.0351	64.1828	1.6963	65.8577	23.5877	1.6759	25.2413	0.0000	103,085.80 29	103,085.80 29	18.4451	3.4253	104,554.03 80

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Area	31.0536	0.6193	53.8160	2.8500e- 003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769		0.0000		99.4223
Energy	0.7294	6.4828		0.0398		0.5039	0.0000		0.5039			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		56,914.040 1	56,914.040 1	2.8522		57,730.280 4
Total	56.9541	34.5083	280.3143	0.5779	62.5350	1.1653	63.7003	16.6572	1.1411	17.7983	0.0000	64,967.619 6	64,967.619 6	3.0986	2.6457	65,833.486 7

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
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		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		56,914.040 1	56,914.040 1	2.8522	2.4998	57,730.280 4
Total	56.9541	34.5083	280.3143	0.5779	62.5350	1.1653	63.7003	16.6572	1.1411	17.7983	0.0000	64,967.619 6	64,967.619 6	3.0986	2.6457	65,833.486 7

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

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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

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	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	
Infrastructure (Trenching)	Generator Sets	2		84	
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	: 0	97	
Infrastructure (Trenching)	Welders	2	8.00	46	
Building Construction (Commercial)	Cranes	2	7.00	231	
Building Construction (Commercial)	Forklifts	- 6		89	
	Generator Sets		8.00	84	
Building Construction (Commercial)	<u> </u>	2	: 	: 	
	Pavers	4	8.00		
Building Construction (Commercial)	Paving Equipment	4		132	
Building Construction (Commercial)	Rollers	4	: 0	80	
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6	7.00	97	
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	
Paving (Commercial)	Rollers	4	8.00	80	
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		97	
Building Construction (Apartment)	Welders	2	8.00	46	
Building Construction (For Sale)	Cranes	2	7.00	231	0.29
Building Construction (For Sale)	Forklifts	6	8.00	89	
Building Construction (For Sale)	<u> </u>	: !	: 		

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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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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			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

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

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Vendor	0.0000	0.0000	0.0000	0.0000	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				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
Total	0.9246	4.0065	46.5597	0.0777	0.2990	0.1233	0.4222	0.0453	0.1233	0.1685	0.0000	7,493.9680	7,493.9680	2.0987		7,546.4366

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
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		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		222.2753
Total	0.0903	0.4565	0.8165	4.0800e- 003	0.2876	4.8600e- 003	0.2925	0.0771	4.6000e- 003	0.0817		428.0675	428.0675	0.0101	0.0380	439.6559

3.2 Demolition - 2024

Unmitigated Construction On-Site

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

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

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Vendor	0.0000	0.0000	0.0000	0.0000	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				216.6841
Total	0.0847	0.4533	0.7677	3.9800e- 003	0.3031	4.8300e- 003	0.3079	0.0809	4.5700e- 003	0.0855	419.5541	419.5541	9.5600e- 003	0.0372	430.8824

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Total	0.9246	4.0065	46.5597	0.0777	0.2990	0.1233	0.4222	0.0453	0.1233	0.1685	0.0000	7,494.8455	7,494.8455	2.0969		7,547.2690

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		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	
Total	0.0847	0.4533	0.7677	3.9800e- 003	0.2876	4.8300e- 003	0.2925	0.0771	4.5700e- 003	0.0817		419.5541	419.5541	9.5600e- 003	0.0372	430.8824

3.3 Site Preparation - 2023 Unmitigated Construction On-Site

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	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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Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Total	0.9312	4.0350	41.7380	0.0762	16.8067	0.1242	16.9309	8.6376	0.1242	8.7617	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588

Mitigated Construction Off-Site

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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					34.7095		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		16,898.713 5	16,898.713 5			17,035.348 2
Total	9.9759	106.0611	71.4588	0.1745	34.7095	4.2903	38.9998	14.3885	3.9471	18.3355		16,898.713 5	16,898.713 5	5.4654		17,035.348 2

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

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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

Vendor	0.0000	0.0000	0.0000	0.0000	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			
Total	0.1770	2.3399	1.7305	0.0142	0.7236	0.0221	0.7457	0.1948	0.0210	0.2158	1,514.4167	1,514.4167	0.0338	0.1900	1,571.8668

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	16,898.713 5	16,898.713 5	5.4654		17,035.348 2
Total	2.1402	9.2743	85.4497	0.1745	14.8383	0.2854	15.1237	6.1511	0.2854	6.4364	0.0000	16,898.713 5	16,898.713 5	5.4654		17,035.348 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0379	2.2607	0.5294	0.0106	0.2987	0.0200	0.3187	0.0823	0.0101	0.1015		1,146.8058	1,146.8058		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
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
Total	0.1770	2.3399	1.7305	0.0142	0.6880	0.0221	0.7101	0.1860	0.0210	0.2070		1,514.4167	1,514.4167	0.0338	0.1900	1,571.8668

3.4 Grading - 2024 Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
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
Total	9.6952	99.9063	70.4246	0.1745	34.7095	4.0528	38.7623	14.3885	3.7286	18.1170		16,892.139 5	16,892.139 5	5.4633		17,028.721 0

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

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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

Vendor	0.0000	0.0000	0.0000	0.0000	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				361.1401
Total	0.1676	2.3416	1.6509	0.0140	0.7236	0.0221	0.7458	0.1948	0.0211	0.2159	1,488.4882	1,488.4882	0.0331	0.1867	1,544.9605

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	16,892.139 5	16,892.139 5	5.4633		17,028.721 0
Total	2.1402	9.2743	85.4497	0.1745	14.8383	0.2854	15.1237	6.1511	0.2854	6.4364	0.0000	16,892.139 5	16,892.139 5	5.4633		17,028.721 0

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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			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
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		361.1401
Total	0.1676	2.3416	1.6509	0.0140	0.6881	0.0221	0.7102	0.1860	0.0211	0.2071		1,488.4882	1,488.4882	0.0331	0.1867	1,544.9605

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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			17,023.117 3
Total	8.7302	86.3597	66.0883	0.1744	34.7095	3.4463	38.1558	14.3885	3.1706	17.5590		16,886.580 8	16,886.580 8	5.4615		17,023.117 3

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

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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

Vendor	0.0000	0.0000	0.0000	0.0000	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				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/d	day							lb/c	lay		
Fugitive Dust					14.8383	0.0000	14.8383	6.1511		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	16,886.580 8	16,886.580 8	5.4615		17,023.117 3
Total	2.1402	9.2743	85.4497	0.1744	14.8383	0.2854	15.1237	6.1511	0.2854	6.4364	0.0000	16,886.580 8	16,886.580 8	5.4615		17,023.117 3

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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			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
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		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 <u>Unmitigated Construction On-Site</u>

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

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
	0.1168			3.1300e- 003		003	0.3714	0.0981	1.6300e- 003			322.6414	322.6414	7.6800e- 003	7.3600e- 003	325.0261

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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

Total	0.1168	0.0636	1.0072	3.1300e-	0.3697	1.7700e-	0.3714	0.0981	1.6300e-	0.0997	322.6414	322.6414	7.6800e-	7.3600e-	325.0261
				003		003			003				003	003	

Mitigated Construction On-Site

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

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

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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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.6900e- 003	0.3521	0.0933	1.5600e- 003	0.0949			314.8733		6.9000e- 003	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				307.6301			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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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
Total	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

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

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

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

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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

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

Mitigated Construction Off-Site

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

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/c	day							lb/d	lay		
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
Total	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	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		0.6085			5,872.5825		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
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

3.6 Building Construction (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

ommugated construction on-site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	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	4 0047	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			6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

Г	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
П					PM10	PM10		PM2.5	PM2.5							

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

Category					lb/day	1						lb/c	lay	
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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	lay		
Off-Road			32.8718			1.0589	1.0589		0.9839	0.9839		4,977.9905			:	5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4259	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0763	1.2600e- 003	0.0775		250.9433	250.9433	5.9700e- 003	5.7200e- 003	
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

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

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

Category					lb/d	day						lb/d	ay		
Off-Road	0.6204	2.6883	20.2502	0.0516		0.0007	0.0827	0.0827	0.0827	0.0000	4.077.0005	4.077.0005	1.4596	:	5.014.4812
Oii-Road	0.6204	2.0883	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
Total	0.7005	2 6002	20.2562	0.0546		0.0027	0.0027	0.0027	0.0027	0.0000	4 077 0005	4 077 000E	1 4506		E 04.4.404.2
Total	0.7085	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

Mitigated Construction Off-Site

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

3.7 Paving (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864				5,012.8393
Day day or	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

PM10 PM10 PM2.5 PM2.5

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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/d	day				lb/d	ay			
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		•••••				0.0000	0.0000		0.0000			0.0000		 0.0000
Total	0.7085	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		5.4200e- 003		
Total	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

3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road			32.7742			0.9401	0.9401			0.8731		4,976.3864				5,012.8393
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

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

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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/c	day						lb/d	lay	
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
Total	0.7085	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0373	7.8495	2.0722	0.0344	2.1065		6,818.4882	6,818.4882	0.1623		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

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

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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/d	lay	
Off-Road	1.0397	5.2230	35.2542	0.0539	0.17	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	0.17	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	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			6,868.8847
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

3.8 Building Construction (Apartment) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor		12.00 11	3.5823	0.0550		0.0758	2.0075	0.5562	0.0725	0.6287		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		6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

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

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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

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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			0.0639	7.4049	0.0357	7.4406	1.9722		2.0051		6,654.3219	6,654.3219	0.1472	0.1459	6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

3.8 Building Construction (Apartment) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				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
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Off-Road	1.0076		35.2301	0.0539		0.1575	0.1575		0.1575	0.1575		5,112.9487				5,142.9961

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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

Total	1.0076	5.1456	35.2301	0.0539	0.1575	0.1575	0.1575	0.1575	0.0000	5 112 0/87	5.112.9487	1.2019	5 1/2 0061
Iotai	1.0070	3.1430	33.2301	0.0555	0.1373	0.1373	0.1373	0.1373	0.0000	3,112.3407	3,112.3407	1.2013	5,142.9961
1													
4													

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000		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				6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

3.8 Building Construction (Apartment) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.000	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		7.8444	2.0722	0.0296	2.1017		6,362.0496	6,362.0496	0.1231		6,404.2260
Total	2.3323	12.9745	21.3738	0.1130	9.7440	0.1071	9.8511	2.6284	0.1013	2.7297		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575			5,112.9487				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

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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

Mitigated Construction Off-Site

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

3.9 Building Construction (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.8954	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			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

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

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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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.8954	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		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

3.9 Building Construction (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

3.9 Building Construction (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.0110	3.5346	0.0540		0.07.00	2.0072	0.5562	0.07.22	0.6285			5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266		7.8122	0.0341	7.8463	2.0722		2.1035		6,501.2493	6,501.2493	0.1343		6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575			5,112.9487			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

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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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	,			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		6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

3.9 Building Construction (For Sale) - 2027

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2720	11.9627	3.4937	0.0529	1.0010	0.0750	2.0068	0.5562	0.07.10	0.6280		5,648.8658				5,903.2615
Worker	2.0598		17.8801	0.0601	7.8122	0.0321	7.8444	2.0722	0.0296	2.1017		6,362.0496				6,404.2260
Total	2.3323	12.9745	21.3738	0.1130	9.7440	0.1071	9.8511	2.6284	0.1013	2.7297		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	lay		
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487				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

	0.00	NIO	0.0	000			DMM T		F 1 .	D140 E T	D: 000	NID: OOO	T	0114	Noo	000-
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					PM10	PM10		PM2.5	PM2.5							
					1 10110	1 14110		1 1412.0	1 11/2.0							

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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/e	day						lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			0.1312	6,404.2260
Total	2.3323	12.9745	21.3738	0.1130	9.2541	0.1071	9.3612	2.5082	0.1013	2.6095	12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

3.9 Building Construction (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.2153	12.8559	20.5483	0.1103	9.7441	0.1046	9.8486	2.6284	0.0989	2.7274		11,774.289 0	11,774.289 0	0.1960	0.9555	12,063.916 0

Mitigated Construction On-Site

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

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

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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

Total	2.2153	12.8559	20.5483	0.1103	9.2542	0.1046	9.3587	2.5082	0.0989	2.6071	11,774.289 0	11,774.289 0	0.1960	0.9555	12,063.916 0
Worker	1.9465	0.9355	17.0850	0.0585		0.0301	7.4349	1.9722	0.0277	1.9999	6,238.1926	6,238.1926	0.1135	0.1256	6,278.4589
Vendor	0.2689	11.9203	3.4634	0.0518	1.8493	0.0745	1.9238	0.5360	0.0713	0.6073		5,536.0965			5,785.4570
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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/c	lay							lb/d	ay		
Off-Road	1.9763		29.2515				0.9370			0.8621			4,415.0944		•	4,450.7927
Paving	0.1222						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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.5609		34.5913			0.07.10	0.0748		0.0748	0.07.10		4,415.0944			•	4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6832	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

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

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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

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	
	0.0778	0.0424	0.6714	2.0900e-	0.2336	1.1800e-	0.2348	0.0622	1.0800e-	0.0633	215.0943	215.0943	5.1200e-	4.9100e-	216.6841

3.10 Paving (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			209.9155	209.9155	4.6400e- 003	4.6000e- 003	211.4028
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.0000		34.5913	•		0.07.10	0.0748		0.0748			4,413.4903				4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6832	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

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

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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

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
Worker	0.0730	0.000=		2.0100e- 003		003			003	0.0633			4.6400e- 003	003	
Vendor							0.0000			0.0000	 		0.0000		
Hauling	0.0000	0.0000	0.0000		0.0000		0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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/c	lay							lb/d	lay		
Off-Road			29.1559				0.8371			0.7701			4,413.4903		•	4,449.1756
Paving	0.1222						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	iay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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			205.0867		4.2400e- 003		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.0000		34.5913	•		0.07.10	0.0748		0.0748			4,413.4903				4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6832	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

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

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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

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
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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	 0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.11 Arch Coating (Commercial) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000			0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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/d	day							lb/d	day		
Archit. Coating						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	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

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

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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-	1.4869	0.3940	6.8600e-	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-	1.4869	0.3940	6.8600e-	0.4009	1,362.2637	1,362.2637	0.0324	0.0311	1,372.3324
						003			003						

3.11 Arch Coating (Commercial) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	9.1275					0.0000	0.0000			0.0000			0.0000			0.0000
	0.3417	2.2910	3.6183	5.9400e- 003		0.1030	0.1030			0.1030		562.8961				563.6637
Total	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	9.1275					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
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	0.0307		563.6637

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

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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
Ľ	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
ľ	Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Ľ	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.11 Arch Coating (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	9.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.4140				1,298.8826	1,298.8826	0.0268		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/d	day							lb/d	day		
Archit. Coating						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	0.0000	562.8961	562.8961	0.0307		563.6637
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	0.0307		563.6637

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

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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	003 6.8000e- 003	1.4862	0.3940	003 6.2600e- 003	0.4003	1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
Worker	0.4358	0.2204	3.7614	0.0124	1.4794	6.8000e-	1.4862	0.3940	6.2600e-	0.4003	 1,298.8826	1,298.8826	0.0268	0.0276	1,307.7629
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.12 Arch Coating (Apartments) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	ay							lb/d	lay		
Archit. Coating						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			562.8961			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.4140				1,362.2637	1,362.2637	0.0324		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/d	day							lb/d	lay		
Archit. Coating							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	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

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

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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
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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.12 Arch Coating (Apartments) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	lay		
Archit. Coating						0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road		2.2910	3.6183	5.9400e- 003		0.1030				0.1030			562.8961			563.6637
Total	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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/d	day							lb/d	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	0.0000	562.8961	562.8961	0.0307		563.6637
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	0.0307		563.6637

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

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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-	0.4006	 1,329.4649	1,329.4649		0.0291	1,338.8841
Total	0.4624	0.2420	3.9848	0.0128	1.4794	7.1400e-	1.4866	0.3940	6.5700e-	0.4006	1,329.4649	1,329.4649	0.0294	0.0291	1,338.8841
						003			003						

3.12 Arch Coating (Apartments) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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
Total	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000			0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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/d	day							lb/d	day		
Archit. Coating						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	0.0000	562.8961	562.8961	0.0307		563.6637
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	0.0307		563.6637

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

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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
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		1,307.7629
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.13 Arch Coating (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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
Total	13.4871	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	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				1,307.7629
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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
Total	13.2048	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

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

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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
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		1,307.7629
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.13 Arch Coating (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	13.4871	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			5.9100e- 003			1,271.0720	1,271.0720	0.0246		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	13.1454					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
Total	13.2048	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

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

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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
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		1,279.4984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.13 Arch Coating (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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
Total	13.4871	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.4140				1,246.3266				1,254.3714
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day				lb/d	lay					
Archit. Coating	13.1454						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	0.0000	562.8961	562.8961	0.0307		563.6637
Total	13.2048	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

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

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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
Vendor	0.0000	0.0000	0.0000	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-	1.4854	0.3940	5.5300e-	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	003 6.0100e -	1.4854	0.3940	003 5.5300e -	0.3996	1.246.3266	1.246.3266	0.0227	0.0251	1.254.3714
	0.0000	0.1000		0.0111		003		0.00 10	003	0.0000	1,2 10.0200	1,2 10.0200	0.022.	0.020	1,20 1101 1 1

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Ave	erage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	se %
Land Use	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	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	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

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
NaturalGas Mitigated	0.7254	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026				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		8,003.7841

5.2 Energy by Land Use - NaturalGas

Unmitigated

	s Use	ROG	NOX	CO	302	PM10	PM10	FINITO TOTAL	PM2.5	PM2.5	FIVIZ.5 TOTAL	DIO 002	14510 002	10101 002	CH4	NZO	COZe
Land Use	kBTU/yr					lb/d	day							lb/d	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	:	0.6681	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

	NaturalGa s Use	ROG	NOx	СО	SO2	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/d	day							lb/d	lay		
Apartments Mid	8.95577										0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
Rise					003												
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)		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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Regional Shopping	1.03858	0.0112	0.1018	0.0855	6.1000e-	 7.7400e-003	7.7400e-	7.7400e-	7.7400e-003	122.1853	122.1853	2.3400e-003	2.2400e-	122.9114
Center					004		003	003					003	
Single Family	10.9436		1.0085		6.4400e-	0.0815	0.0815	 0.0815	0.0815	1,287.4878		0.0247		1,295.1387
Housing					003									
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Mitigated	31.0536			2.8500e- 003		0.2981	0.2981		0.2981	0.2981	0.0000	97.0769			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	СО	SO2	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/d	day							lb/d	iay		
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Products	25.2305					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	СО	SO2	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/d	day							lb/c	lay		
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Products	25.2305					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

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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

10.0 Stationary Equipment

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	<u>.</u>
User Defined Equipment						'

Equipment Type	Number
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11.0 Vegetation

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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

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

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)63Climate Zone4Operational Year2028

Utility Company Pacific Gas and Electric Company

 CO2 Intensity
 203.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution 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

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

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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
		0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated		
tblConstEquipMitigation	NumberOfEquipmentMitigated NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation		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
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
· · · · · · · · · · · · · · · · · · ·	NumberWood	66.30	0.00
tblFireplaces	: 		
tblFireplaces	NumberWood	18.70	0.00
tblFireplaces	NumberWood	64.50	0.00
tblGrading	MaterialImported	0.00	93,600.00

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SCHROLED priest	#10#D IF i	040 - 45 - 45 - 44 - 44 - 44	4.00	
BOPROSEQuerent Officeael Capperent Inchances 1,00 2,00	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
MOPRISANE Suppress	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
BOPRoadEquipment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
MCMRoseEquipment	thIOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2 00
BIOFRecolit quinnet		.		
SOFReadEquipment				
Bull	tblOffRoadEquipment			
BORNOLOGY DEPART	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BORNOWERS Quimmer	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BibRookEquipment		:		
BCRTCodEquipment		<u> </u>		
BORROUTE-upment		- · · · · · · · · · · · · · · · · · · ·		
BORFoodEquipment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
BUTTROMERQUERMENT			1.00	2.00
BOFFicial Equipment		OffRoadEquipmentUnitAmount		
BOPPROSES_upment		[1.00	2 00
BOFFRoatEquipment		:		
BOPRoseEquipment		<u>. </u>	1.00	4.00
BORROSEGupment		OffRoadEquipmentUnitAmount	2.00	4.00
BiOffRoadEquipment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
BORROUSE_upment	tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
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BLOFFRoadEquipment			3.00	6.00
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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

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) <u>Unmitigated Construction</u>

	ROG	NOx	СО	SO2	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/e	day							lb/c	lay		
2023	23.4726	235.9893	184.0495	0.4054	76.4067	10.2471	86.6538	35.1492	9.4781	44.6273	0.0000	39,325.512 2	39,325.512 2	11.2280	0.2467	39,679.713 3
2024	61.9602	389.2552	419.2025	1.0184		15.6583		43.8171	14.5399	57.6885		101,358.89 00	00		3.5197	102,857.31 60
2025	53.7118	289.2111	371.9140		68.6901	10.8218	79.5119	23.5360	10.0739	33.6099	0.0000	92,864.329 1	92,864.329 1	15.4986	3.4228	94,271.787 7
2026	44.3509	199.7836	300.4635	0.7320	33.2571	7.3466	40.6037	8.9529	6.8759	15.8288	0.0000	73,721.432 5	73,721.432 5	9.9529	3.1579	74,911.308 6
2027	24.1307	80.2771	113.3767	0.3425	21.0488	2.4343	23.4832	5.6708	2.2970	7.9678	0.0000	35,104.021 8	35,104.021 8	2.9112	2.0309	35,782.003 2
2028	18.8822	41.2508	59.3027	0.1770	11.3049	1.2689	12.5738	3.0424	1.2002	4.2426	0.0000	18,173.030 0	18,173.030 0	1.4719	1.0058	18,509.568 0
Maximum	61.9602	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.89 00	101,358.89 00	18.5182	3.5197	102,857.31 60

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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

	ROG	NOx	СО	SO2	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/d	day							lb/d	lay		
2023	5.5670	25.7595	213.3574	0.4054	33.5426	0.7490	34.2916	15.2629	0.7475	16.0104	0.0000	39,325.512 1	39,325.512 1	11.2280	0.2467	39,679.713 3
2024	37.2485		467.1297		64.1828		65.8585	23.5877	1.6766	25.2420		101,358.88 99	99			102,857.31 59
2025	35.5581	82.6524	419.9643	0.9294	47.1038		48.6022	14.8776	1.4776	16.3552		92,864.329 0		15.4986	3.4228	94,271.787 6
2026	39.9329	70.3103	329.1524	0.7320	31.5775		32.7617	8.5406	1.1648	9.7054		73,721.432 5	73,721.432 5		3.1579	74,911.308 5
2027	20.3940	38.6560	119.5448	0.3425	19.9876	0.5440	20.5317	5.4103	0.5319	5.9423	0.0000	35,104.021 8	8			35,782.003 2
2028	16.8728	19.4235	62.4100	0.1770	10.7336	0.2762	11.0098	2.9022	0.2701	3.1723		18,173.030 0				18,509.568 0
Maximum	39.9329	88.4810	467.1297	1.0184	64.1828	1.6971	65.8585	23.5877	1.6766	25.2420	0.0000	101,358.88 99	101,358.88 99	18.5182	3.5197	102,857.31 59

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Alea	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			8,003.7841
Mobile	22.5159	31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131 5	53,780.131 5	3.1926	2.7075	54,666.772 1
Total	54.2988	38.2620	295.8511	0.5486	62.5350	1.1656	63.7005	16.6572	1.1413	17.7985	0.0000	61,833.711 0	61,833.711 0	3.4389	2.8533	62,769.978 4

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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			8,003.7841
Mobile		31.1599	237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131 5	53,780.131 5		2.7075	54,666.772 1
Total	54.2988	38.2620	295.8511	0.5486	62.5350	1.1656	63.7005	16.6572	1.1413	17.7985	0.0000	61,833.711 0	61,833.711 0	3.4389	2.8533	62,769.978 4

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

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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	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		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		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	-	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6		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		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 /Tranships)	18	45.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	29		285.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving (Commercial)	14		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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	6.4100e-003		0.0972	1.9300e- 003	0.0566	3.6200e- 003	0.0602	0.0155	3.4700e- 003	0.0190		207.7288		003		217.6189

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Vendor	0.0000	0.0000	0.0000	0.0000	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				
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
Total	0.9246	4.0065	46.5597	0.0777	0.2990	0.1233	0.4222	0.0453	0.1233	0.1685	0.0000	7,493.9680	7,493.9680	2.0987		7,546.4366

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
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		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		206.7242
Total	0.0912	0.4921	0.7896	3.9300e- 003	0.2876	4.8600e- 003	0.2925	0.0771	4.6100e- 003	0.0817		412.4790	412.4790	0.0109	0.0389	424.3431

3.2 Demolition - 2024

Unmitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	6.4000e-003		0.0976	1.9000e- 003	0.0566	3.6600e- 003	0.0603	0.0155	3.5000e- 003	0.0190		204.6850		003		214.4339

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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			201.5398
Total	0.0858	0.4877	0.7451	3.8400e- 003	0.3031	4.8400e- 003	0.3079	0.0809	4.5800e- 003	0.0855	404.3884	404.3884	0.0103	0.0380	415.9737

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
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		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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					39.3140	0.0000	39.3140	20.2049	0.0000	20.2049			0.0000			0.0000
	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.6162	7,374.6162			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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	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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Vendor	0.0000	0.0000	0.0000	0.0000	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				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	iay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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				7,435.6588
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	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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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				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Total	0.9312	4.0350	41.7380	0.0762	16.8067	0.1242	16.9309	8.6376	0.1242	8.7617	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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		235.1298
Total	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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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		16,898.713 5	16,898.713 5			17,035.348 2
Total	9.9759	106.0611	71.4588	0.1745	34.7095	4.2903	38.9998	14.3885	3.9471	18.3355		16,898.713 5	16,898.713 5	5.4654		17,035.348 2

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

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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

Vendor	0.0000	0.0000	0.0000	0.0000	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		2.0600e- 003	0.4128	0.1090	1.9000e- 003			341.2503		0.0101	344.5403
Total	0.1768	2.4920	1.6913	0.0140	0.7236	0.0221	0.7457	0.1948	0.0211	0.2158	1,489.3151	1,489.3151	0.0350	0.1915	1,547.2652

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	16,898.713 5	16,898.713 5	5.4654		17,035.348 2
Total	2.1402	9.2743	85.4497	0.1745	14.8383	0.2854	15.1237	6.1511	0.2854	6.4364	0.0000	16,898.713 5	16,898.713 5	5.4654		17,035.348 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0354	2.3937	0.5372	0.0106	0.2987	0.0200	0.3187	0.0823	0.0102	0.1015		1,148.0648				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
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
Total	0.1768	2.4920	1.6913	0.0140	0.6880	0.0221	0.7101	0.1860	0.0211	0.2071		1,489.3151	1,489.3151	0.0350	0.1915	1,547.2652

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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			17,028.721 0
Total	9.6952	99.9063	70.4246	0.1745	34.7095	4.0528	38.7623	14.3885	3.7286	18.1170		16,892.139 5	16,892.139 5	5.4633		17,028.721 0

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

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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

Vendor	0.0000	0.0000	0.0000	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		9.4500e- 003	
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/d	day							lb/c	lay		
Fugitive Dust					14.8383	0.0000	14.8383	6.1511		6.1511			0.0000			0.0000
Off-Road	2.1402	9.2743	85.4497	0.1745		0.2854	0.2854			0.2854	0.0000	16,892.139 5	16,892.139 5	5.4633		17,028.721 0
Total	2.1402	9.2743	85.4497	0.1745	14.8383	0.2854	15.1237	6.1511	0.2854	6.4364	0.0000	16,892.139 5	16,892.139 5	5.4633		17,028.721 0

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	0.0354	2.4045	0.5395	0.0105	0.2987	0.0202	0.3189	0.0823	0.0100	0.1017		1,131.2425				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
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		
Total	0.1677	2.4922	1.6187	0.0137	0.6881	0.0222	0.7102	0.1860	0.0211	0.2072		1,464.0816	1,464.0816	0.0342	0.1882	1,521.0219

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Total	8.7302	86.3597	66.0883	0.1744	34.7095	3.4463	38.1558	14.3885	3.1706	17.5590		16,886.580 8	16,886.580 8	5.4615		17,023.117 3

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

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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

Vendor	0.0000	0.0000	0.0000	0.0000	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				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					14.8383	0.0000	14.8383	6.1511		6.1511			0.0000			0.0000
	2.1402	9.2743	85.4497	0.1744		0.2854	0.2854			0.2854	0.0000	16,886.580 8	16,886.580 8	5.4615		17,023.117 3
Total	2.1402	9.2743	85.4497	0.1744	14.8383	0.2854	15.1237	6.1511	0.2854	6.4364	0.0000	16,886.580 8	16,886.580 8	5.4615		17,023.117 3

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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			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
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		327.7350
Total	0.1596	2.4754	1.5547	0.0134	0.6881	0.0221	0.7101	0.1860	0.0210	0.2071		1,435.3438	1,435.3438	0.0335	0.1844	1,491.1200

3.5 Infrastructure (Trenching) - 2023 <u>Unmitigated Construction On-Site</u>

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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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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-	0.3697	1.8500e-	0.3715	0.0981	1.7100e-	0.0998	307.1253	307.1253	9.6900e-	9.1200e-	310.0863
			•	003		003			003				003	003	
T-1-1	0.4070	0.0004													
Total	0.1272	0.0884	1.0387	3.0000e-	0.3697	1.8500e-	0.3715	0.0981	1.7100e-	0.0998	307.1253	307.1253	9.6900e-	9.1200e-	310.0863
lotai	0.12/2	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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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					9.1200e- 003	
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.07 00		2.9000e- 003		003	0.3714	0.0981	1.6300e- 003			299.5552	299.5552	8.8000e- 003	8.5100e- 003	302.3097

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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

Total	0.1191	0.0790	0.9713	2.9000e-	0.3697	1.7700e-	0.3714	0.0981	1.6300e-	0.0997	299.5552	299.5552	8.8000e-	8.5100e-	302.3097
				003		003			003				003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
Off-Road	1.0397	5.2230	35.2542	0.0539		0.1707	0.1707		0.1707	0.1707		5,111.3978				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/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/c	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

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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.6900e- 003	0.3521	0.0933	1.5600e- 003	0.0949		292.3849	292.3849			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0981	1.4800e- 003	0.0995			285.6883			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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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/d	day							lb/c	lay		
Hauling			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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
Total	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

3.6 Building Construction (Commercial) - 2024 <u>Unmitigated Construction On-Site</u>

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

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

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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

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

Mitigated Construction Off-Site

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

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/d	day							lb/c	lay		
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
Total	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	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		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		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	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			•	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		6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

3.6 Building Construction (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

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

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

Category					lb/day	у						lb/d	lay	
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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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				6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	lay		
Off-Road			32.8718			1.0589	1.0589		0.9839	0.9839		4,977.9905			:	5,014.4812
Paving	0.0881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.4259	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

Unmitigated Construction Off-Site

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

	ROG	NOx	СО	SO2	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					lb/c	day						lb/d	ay	
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						0.0000	0.0000		0.0000			0.0000		 0.0000
Total	0.7085	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			235.1298
Total	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

3.7 Paving (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road			32.7742			0.9401	0.9401			0.8731		4,976.3864				5,012.8393
Paving	0.0881					0.0000	0.0000			0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

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

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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/c	day						lb/d	lay	
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
Total	0.7085	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

Mitigated Construction Off-Site

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

3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day				lb/c	lay					
Off-Road		19.4543	32.7742	0.0515		0.9401	0.9401			0.8731		4,976.3864	·			5,012.8393
	0.0881					0.0000	0.0000		0.0000				0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

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

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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/d	day						lb/d	ay	
0".0	2 2224			0.0515						0.000				5 040 0000
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
Total	0.7085	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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					5.7000e- 003		
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 <u>Unmitigated Construction On-Site</u>

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

	ROG	NOx	СО	SO2	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/d	lay	
Off-Road	1.0397	5.2230	35.2542	0.0539	0.17	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	0.17	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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

3.8 Building Construction (Apartment) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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				6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

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

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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

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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			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
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

3.8 Building Construction (Apartment) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Off-Road	1.0076		35.2301	0.0539		0.1575	0.1575		0.1575	0.1575		5,112.9487				5,142.9961

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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

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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

3.8 Building Construction (Apartment) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	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		5,957.3586
Total	2.3755	13.9283	20.9753	0.1088	9.7440	0.1073	9.8513	2.6284	0.1015	2.7299		11,567.370 0	11,567.370 0	0.2241	1.0003	11,871.064 2

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575			5,112.9487				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

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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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.8488	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
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

3.9 Building Construction (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			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		0.1798	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

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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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			0.0561		0.0701	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				6,388.8115
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

3.9 Building Construction (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0357	7.4406	1.9722	0.0329	2.0051		6,179.0678				6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

3.9 Building Construction (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0541		0.0707	2.0074	0.5562	0.0121	0.6287			5,774.8306		0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506		7.8122	0.0341	7.8463	2.0722		2.1035		6,037.5455	6,037.5455	0.1548		6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575						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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	,			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		6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

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/d	lay							lb/d	day		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	1.0010	0.0752	2.0070	0.5562	0.07.20	0.6282		5,658.7154				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				5,957.3586
Total	2.3755	13.9283	20.9753	0.1088	9.7440	0.1073	9.8513	2.6284	0.1015	2.7299		11,567.370 0	11,567.370 0	0.2241	1.0003	11,871.064 2

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/c	lay		
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575	0.0000	5,112.9487				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

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

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

Category					lb/e	day						lb/d	lay		
Hauling	0.0000	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			0.1515	5,957.3586
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

3.9 Building Construction (For Sale) - 2028 Unmitigated Construction On-Site

Unmitigated	Construction	On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		11,339.639 4	11,339.639 4	0.2131	0.9769	11,636.073 3

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Off-Road	1.0076	5.1456	35.2301	0.0539		0.1575	0.1575		0.1575	0.1575		5,112.9487				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

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

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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	0.2542	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
Total	2.2597	13.7885	20.1953	0.1063	9.2542	0.1048	9.3589	2.5082	0.0991	2.6073		11,339.639	11,339.639	0.2131	0.9769	11,636.073
												4	4			3

3.10 Paving (For Sale) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	ay							lb/d	lay		
Off-Road			29.2515			0.9370	0.9370			0.8621			4,415.0944			4,450.7927
	0.1222					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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000		0.0000		0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.0000		34.5913	•		0.07.10	0.0748		0.0748			4,415.0944				4,450.7927
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6832	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

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.1800e- 003	0.2348	0.0622	1.0800e- 003	0.0633	199.7034				
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0654	1.0400e- 003			194.9233	194.9233	5.3400e- 003	5.3200e- 003	196.6410
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.0000		34.5913	•		0.07.10	0.0748		0.0748			4,413.4903				4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6832	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

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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/c	lay							lb/d	lay		
Off-Road			29.1559				0.8371			0.7701			4,413.4903		•	4,449.1756
Paving	0.1222						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000		0.0000		0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0654	9.9000e- 004			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	0.0000		34.5913	•		0.07.10	0.0748		0.0748			4,413.4903				4,449.1756
Paving	0.1222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6832	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

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

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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

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
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		5.0200e- 003	192.0782
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.11 Arch Coating (Commercial) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.4140				1,264.7884	1,264.7884	0.0372		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/d	day							lb/d	day		
Archit. Coating						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	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

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

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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

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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	day		
Archit. Coating						0.0000	0.0000			0.0000			0.0000			0.0000
Off-Road		2.2910	3.6183	5.9400e- 003		0.1030				0.1030		562.8961				563.6637
Total	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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/d	day							lb/d	day		
Archit. Coating						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	0.0000	562.8961	562.8961	0.0307		563.6637
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	0.0307		563.6637

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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-	1.4866	0.3940	6.5700e-	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-	1.4866	0.3940	6.5700e-	0.4006	1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
						003			003						

3.11 Arch Coating (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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
Total	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.4140				1,206.2394				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/d	day							lb/d	lay		
Archit. Coating							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	0.0000	562.8961	562.8961	0.0307		563.6637
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	0.0307		563.6637

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	 0.0000	0.0000	0.0000	0.0000	0.0000
											 			: <u></u>	: :
Vendor	0.0000	0.0000	0.0000	0.0000	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		6.8000e-		0.3940	6.2600e-	0.4003	 1.206.2394	1 206 2394	0.0309		1.216.4950
Worker.	0.1100	0.27 00	0.0100	0.0110		003	11.1002	0.0010	003	0.1000	1,200.2001	1,200.200 1	0.0000	0.0010	1,210.1000
Total	0.4468	0.2735	3.6463	0.0115	1.4794	6.8000e-	1.4862	0.3940	6.2600e-	0.4003	1,206.2394	1,206.2394	0.0309	0.0318	1,216.4950
						003			003						

3.12 Arch Coating (Apartments) - 2024 <u>Unmitigated Construction On-Site</u>

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

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				1,276.4187
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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
Total	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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/d	day							lb/d	day		
Archit. Coating						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	0.0000	562.8961	562.8961	0.0307		563.6637
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	0.0307		563.6637

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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-	1.4866	0.3940	6.5700e-	0.4006	 1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931
	:					003			003						:
Total	0.4727	0.3004	3.8543	0.0119	1.4794	7.1400e-	1.4866	0.3940	6.5700e-	0.4006	1,234.5141	1,234.5141	0.0338	0.0337	1,245.3931

3.12 Arch Coating (Apartments) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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
Total	9.4692	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.4140				1,206.2394				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/d	day							lb/d	day		
Archit. Coating						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	0.0000	562.8961	562.8961	0.0307		563.6637
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	0.0307		563.6637

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

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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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	 0.0000	0.0000	0.0000	0.0000	0.0000
															; ;
Vendor	0.0000	0.0000	0.0000	0.0000	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-	1.4862	0.3940	6.2600e-	0.4003	1 206 2304	1.206.2394	0.0309	0.0318	1 216 /050
i Stai	0.4400	0.2733	5.5405	0.0113	1.4734	0.00000	1.4002	0.0340	0.20006	0.4003	1,200.2004	1,200.2004	0.0303	0.0010	1,210.4330

3.13 Arch Coating (For Sale) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	day		
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.3417	2.2910	3.6183	5.9400e- 003		0.1030	0.1030		0.1030	0.1030		562.8961				563.6637
Total	13.4871	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000		0.0000		0.0000		0.0000	0.0000		0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.4140				1,206.2394				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	13.1454					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
Total	13.2048	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

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

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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

Worker Total	0.4468 0.4468	0.2735 0.2735	3.6463 3.6463	0.0115 0.0115	1.4794 1.4794	6.8000e- 003 6.8000e-	1.4862 1.4862	0.3940	6.2600e- 003 6.2600e-	0.4003 0.4003	1,206.2394	1,206.2394		0.0318 0.0318	1,216.4950
				(1									: : :
Hauling Vendor	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000	0.0000	 0.0000	0.0000	0.0000	0.0000	0.0000

3.13 Arch Coating (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	day		
Archit. Coating	13.1454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.3417	2.2910	3.6183	5.9400e- 003		0.1030	0.1030		0.1030	0.1030		562.8961				563.6637
Total	13.4871	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				1,180.4883				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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	0.0000	562.8961	562.8961	0.0307		563.6637
Total	13.2048	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

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

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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

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
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		1,190.2189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.13 Arch Coating (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	13.1454					0.0000	0.0000			0.0000			0.0000			0.0000
	0.3417	2.2910	3.6183	5.9400e- 003		0.1030	0.1030			0.1030		562.8961				563.6637
Total	13.4871	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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/d	day							lb/d	lay		
Archit. Coating	13.1454						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	0.0000	562.8961	562.8961	0.0307		563.6637
Total	13.2048	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

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

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Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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
						550									

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	СО	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/	day							lb/c	ay		
ŭ			237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131			: ' '	54,666.772
Unmitigated			237.5484	0.5059	62.5350	0.3635	62.8985	16.6572	0.3393	16.9965		53,780.131			2.7075	54,666.772

4.2 Trip Summary Information

	Ave	rage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	e %
Land Use	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	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	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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
NaturalGas Mitigated	0.7254	6.4828	4.4868	0.0398		0.5039	0.5039		0.5039	0.5039		7,956.5026				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		8,003.7841

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	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/d	day							lb/c	lay		
Apartments Mid Rise			0.8253	0.3512	5.2700e- 003		0.0667	0.0667		0.0667	0.0667		,	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
Restaurant w/o	6814.36	0.0735	0.6681	0.5612	4.0100e- 003		0.0508	0.0508		0.0508	0.0508			801.6890		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		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
Regional Shopping Center	1038.58	0.0112	0.1018	0.0855	6.1000e- 004		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			1,295.1387
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

	NaturalGa s Use	ROG	NOx	СО	SO2	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/d	lay							lb/d	ay		
Apartments Mid	8.95577	0.0966	0.8253	0.3512	5.2700e-		0.0667	0.0667		0.0667	0.0667		1,053.6197	1,053.6197	0.0202	0.0193	1,059.8809
Rise	:]			003			[:
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)		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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Regional Shopping	1.03858	0.0112	0.1018	0.0855	6.1000e-	7.7400e-003	7.7400e-	7.7400e-	7.7400e-003	122.1853	122.1853	2.3400e-003		122.9114
Center					004		003	003					003	
Single Family	10.9436	0.1180	1.0085	0.4292	6.4400e-	0.0815	0.0815	0.0815	0.0815	 1,287.4878	1,287.4878	0.0247		1,295.1387
Housing	<u> </u>				003									
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
		i			i	1			ı	i				I

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	iay							lb/d	day		
Mitigated	31.0536			2.8500e- 003		0.2981	0.2981		0.2981	0.2981		97.0769				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	СО	SO2	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/d	day							lb/d	iay		
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
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		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	СО	SO2	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/d	day							lb/c	lay		
Architectural Coating	4.1923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Products	25.2305					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

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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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

				Horse Power	Load Factor
Boilers	-				
<u> </u>					
Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

Equipment Type	Number
----------------	--------

11.0 Vegetation

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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

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

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)63Climate Zone4Operational Year2028

Utility Company Pacific Gas and Electric Company

 CO2 Intensity
 203.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution 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 -

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

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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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation tblConstEquipMitigation	Tier	No Change	Tier 4 Final
	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	<u> </u>	1,550.00	
	NumDays		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
	<u> </u>		
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
	T24NG	59.80	0.00
tblEnergyUse	:		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
		1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount		
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
B			

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

#IO#DandEnvisonant	Off Dood Favior and Juit Amount	2.00	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
	OffRoadEquipmentUnitAmount	3.00	
tblOffRoadEquipment			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
I	E		

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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
		142.64	
tblVehicleTrips	SU_TR	5.95	4.31
		21.10	
	,	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
		346.23	
		112.18	
		8.36	
		37.75	
•	:	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) <u>Unmitigated Construction</u>

	ROG	NOx	СО	SO2	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/d	day							lb/d	lay		
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		43.8171	14.5391	57.6878	0.0000	103,085.80 30	30		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			95,907.934 0
2026			302.1322		33.2571		40.6031	8.9529	6.8753	15.8281		75,321.563 6	6			76,485.407 1
2027	49.8239		114.2767		21.0488	2.4339	23.4827	5.6708	2.2966	7.9674	0.0000	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		18,696.460 5				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	СО	SO2	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/d	day				lb/d	lay					
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

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2020	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		0.9806	19,024.947
												5	5			2
Maximum	105.7260	385 9055	421.5621	1.0351	64.1828	15.6576	79.1120	23.5877	14.5391	37.4585	0.0000	103.085.80	102 005 00	18.4451	3.4253	104.554.03
		000.000	721.0021	1.0001	04.1020	13.0370	73.1120	23.3011	14.5591	37.4363	0.0000	103,065.60	29	10.4431	3.4233	104,554.05

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Mobile	25.1712	27.4062	222.0115	0.5353	62.5350		62.8983			16.9963		56,914.040 1				57,730.280 4
Total	56.2248	28.0255	275.8275	0.5381	62.5350	0.6614	63.1964	16.6572	0.6372	17.2944	0.0000	57,011.117 0	57,011.117 0	2.9461	2.4998	57,829.702 6

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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		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		56,914.040 1	56,914.040 1	2.8522	2.4998	57,730.280 4
Total	56.2248	28.0255	275.8275	0.5381	62.5350	0.6614	63.1964	16.6572	0.6372	17.2944	0.0000	57,011.117 0	57,011.117 0	2.9461	2.4998	57,829.702 6

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	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	
3	Building Construction (For Sale)	Building Construction	6/3/2024	6/1/2028	5	1044	
)	Paving (For Sale)	Paving	10/1/2024	4/1/2026	5	392	

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

I	10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
I	11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
I	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
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	:	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
Sodang (For Sale)	: Compressors	-	0.00	70	0.40

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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 /Transhing)	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		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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					0.6993	0.0000	0.6993	0.1059		0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	day		
3	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	003		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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			50.440	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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Category					lb/d	day							lb/c	lay	
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000		0.0000
Off-Road		42.9688		0.0777		1.9951	1.9951	•••••	1.8560	1.8560	0.0000	7,493.9680	7,493.9680	2.0987	7,546.4366
Total	4.5382	42.9688	39.2867	0.0777	0.2990	1.9951	2.2940	0.0453	1.8560	1.9012	0.0000	7,493.9680	7,493.9680	2.0987	7,546.4366

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	6.8600e-003		0.0958	1.9200e- 003	0.0541	3.6200e- 003	0.0577	0.0149	3.4600e- 003	0.0184			207.5010	003		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			222.2753
Total	0.0903	0.4565	0.8165	4.0800e- 003	0.2876	4.8600e- 003	0.2925	0.0771	4.6000e- 003	0.0817		428.0675	428.0675	0.0101	0.0380	439.6559

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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
Total	4.4875	41.7563	39.4147	0.0777	0.6993	1.9203	2.6196	0.1059	1.7844	1.8903		7,494.8455	7,494.8455	2.0969		7,547.2690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	day		
3	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		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
Total	0.0847	0.4533	0.7677	3.9800e- 003	0.3031	4.8300e- 003	0.3079	0.0809	4.5700e- 003	0.0855		419.5541	419.5541	9.5600e- 003	0.0372	430.8824

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

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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/d	day							lb/d	lay	
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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	6.8500e-003		0.0962	1.8900e- 003	0.0541	3.6500e- 003	0.0577	0.0149	3.4900e- 003	0.0184			204.4598	003		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		5.1200e- 003		
Total	0.0847	0.4533	0.7677	3.9800e- 003	0.2876	4.8300e- 003	0.2925	0.0771	4.5700e- 003	0.0817		419.5541	419.5541	9.5600e- 003	0.0372	430.8824

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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		0.0005	2.3295		7,374.6162	7,374.6162			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

-																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					. 3			. 3								
- 1					PM10	PM10		PM2.5	PM2.5							
					1 10110	1 14110		1 1412.0	1 11/2.0							1

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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/d	day							lb/d	ay	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.4400e- 003	0.2740	0.0726	1.3300e- 003			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					39.3140	0.0000	39.3140	20.2049		20.2049			0.0000			0.0000
	5.3218	54.3520				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

ROG NOx CO SO2 Fugitive Exhaust PM10 Total Fugitive Exhaust PM2.5 Total Bio- CO2	NID:a CO2 Tatal CO2		
	NBio- CO2 Total CO2	CH4 N2O	CO2e
PM10 PM10 PM2.5 PM2.5			
PM10 PM10 PM2.5 PM2.5			

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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/d	day							lb/d	lay	
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			2.4587	2.4587			2.2620	0.0000	7,376.0199	7,376.0199	2.3856	7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	16.8067	2.4587	19.2654	8.6376	2.2620	10.8996	0.0000	7,376.0199	7,376.0199	2.3856	7,435.6588

Mitigated Construction Off-Site

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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		16,898.713 5	16,898.713 5			17,035.348 2
Total	9.9759	106.0611	71.4588	0.1745	34.7095	4.2903	38.9998	14.3885	3.9471	18.3355		16,898.713 5	16,898.713 5	5.4654		17,035.348 2

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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			:	1,201.4079
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
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
Total	0.1770	2.3399	1.7305	0.0142	0.7236	0.0221	0.7457	0.1948	0.0210	0.2158		1,514.4167	1,514.4167	0.0338	0.1900	1,571.8668

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

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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/d	day							lb/c	lay		
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road	0.0750	106.0611	71 /500	0.1745		4.2903	4.2903			3.9471		16,898.713	16 000 712	E 1651	ļ	17,035.348
Oli-Roau	9.9759	100.0011	71.4300	0.1745		4.2903	4.2903		3.5471	3.5471	0.0000	5	5	5.4654		2
Total	9.9759	106.0611	71.4588	0.1745	14.8383	4.2903	19.1286	6.1511	3.9471	10.0981	0.0000	16,898.713	16,898.713	5.4654		17,035.348
												5	5			2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0379	2.2607	0.5294	0.0106	0.2001	0.0200	0.3187	0.0823	0.0101	0.1015		1,146.8058				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
Total	0.1770	2.3399	1.7305	0.0142	0.6880	0.0221	0.7101	0.1860	0.0210	0.2070		1,514.4167	1,514.4167	0.0338	0.1900	1,571.8668

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
	9.6952	99.9063	70.4246			4.0528	4.0528		3.7286	3.7286		16,892.139 5	16,892.139 5	5.4633		17,028.721 0
Total	9.6952	99.9063	70.4246	0.1745	34.7095	4.0528	38.7623	14.3885	3.7286	18.1170		16,892.139 5	16,892.139 5	5.4633		17,028.721 0

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	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	·		:	1,183.8204
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
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
Total	0.1676	2.3416	1.6509	0.0140	0.7236	0.0221	0.7458	0.1948	0.0211	0.2159		1,488.4882	1,488.4882	0.0331	0.1867	1,544.9605

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

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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/d	day							lb/c	lay	
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road		99 9063	70.4246			4.0528	4.0528	• • • • • • • • • • • • • • • • • • • •		3.7286		16,892.139	16 802 130	5 4633	 17,028.721
Oli itoda	3.0302	33.3000	70.4240	0.1740		4.0020	4.0020		0.7200	0.7200	0.0000	5	5	0.4000	0
Total	9.6952	99.9063	70.4246	0.1745	14.8383	4.0528	18.8911	6.1511	3.7286	9.8796	0.0000	16,892.139	16,892.139	5.4633	17,028.721
												5	5		0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0378	2.2.7.0	0.0010	0.0105	0.2987	0.0202	0.3189	0.0823	0.0100	0.1016		1,129.9978				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
Total	0.1676	2.3416	1.6509	0.0140	0.6881	0.0221	0.7102	0.1860	0.0211	0.2071		1,488.4882	1,488.4882	0.0331	0.1867	1,544.9605

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
Total	8.7302	86.3597	66.0883	0.1744	34.7095	3.4463	38.1558	14.3885	3.1706	17.5590		16,886.580 8	16,886.580 8	5.4615		17,023.117 3

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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				1,162.1022
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
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

П	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
П					PM10	PM10		PM2.5	PM2.5							
- 1					1 10110	1 14110		1 1412.0	1 1012.0							1

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

Category					lb/d	day							lb/c	lay	
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road		86 3597	66.0883			3.4463	3.4463	• • • • • • • • • • • • • • • • • • • •		3.1706		16,886.580	16 886 580	5.4615	 17,023.117
Oli itoda	0.7002	00.0007	00.0000	0.1744		0.4400	0.4400		0.1700	0.1700	0.0000	8	8	0.4010	3
Total	8.7302	86.3597	66.0883	0.1744	14.8383	3.4463	18.2846	6.1511	3.1706	9.3217	0.0000	16,886.580	16,886.580	5.4615	17,023.117
												8	8		3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0377	2.2000	0.5327	0.0103	0.2988	0.0201	0.3189	0.0823	0.0100	0.1016		1,109.2451				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 <u>Unmitigated Construction On-Site</u>

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

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

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

Category					lb/c	day						lb/c	lay	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	day		
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0981	1.6300e- 003	0.0997		322.6414	322.6414	7.6800e- 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

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

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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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

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

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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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.6100e- 003	0.3713	0.0981	1.4800e- 003			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

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

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

Mitigated Construction Off-Site

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

3.6 Building Construction (Commercial) - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

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

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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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				6,868.8847
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

3.6 Building Construction (Commercial) - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0830	0.8798	6,136.8437
Worker	2.3145	1.2115	19.9449	0.0639	7.8122		7.8480	2.0722	0.0329	2.1051			6,654.3219			6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	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	12.00 11	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
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

3.6 Building Construction (Commercial) - 2026

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.0110	3.5346	0.0540		0.07.00	2.0072	0.5562	0.07.22	0.6285			5,764.8632	0.0830	0.8639	6,024.3770
Worker	2.1813	1.1030	18.8266		7.8122	0.0341	7.8463	2.0722		2.1035		6,501.2493	6,501.2493	0.1343		6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
Off-Road	4.3453	40.7606	59.6736	0.0970		1.8513	1.8513		1.7217	1.7217			9,318.9613			9,384.2011
Total	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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				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				6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		5.7200e- 003	
Total	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

3.7 Paving (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/c	lay		
Off-Road		19.4543		0.0515		0.9401	0.9401			0.8731		4,976.3864	4,976.3864			5,012.8393
Paving	0.0881						0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

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

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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					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				246.6366
Total	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

3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road		19.4543		0.0515		0.9401	0.9401			0.8731		4,976.3864			:	5,012.8393
Paving	0.0881						0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		240.9037
Total	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

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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	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		0.0726	1.1500e- 003	0.0737		239.2679	239.2679	4.9400e- 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/d	day							lb/c	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.0002	3.6416	0.0560	1.0010	0.0758	2.0074	0.5562	0.07.20	0.6287		5,979.1520				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		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/c	day							lb/d	lay		
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

Г	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
П					PM10	PM10		PM2.5	PM2.5							

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

Category					lb/e	day						lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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

3.8 Building Construction (Apartment) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d				lb/c	lay						
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

Mitigated Construction On-Site

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

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

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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		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

3.8 Building Construction (Apartment) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d				lb/c	lay						
Hauling	0.0000	0.0000	0.0000	0.0000	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	12.0110		0.0540			2.0072	0.5562	0.0722			5,764.8632	5,764.8632	0.0830		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				6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

Mitigated Construction On-Site

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

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

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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	6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117	12,266.112	12,266.112	0.2173	1.0018	12,570.074
											5	5			5

3.8 Building Construction (Apartment) - 2027

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0827		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
Total	2.3323	12.9745	21.3738	0.1130	9.7440	0.1071	9.8511	2.6284	0.1013	2.7297		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0827	0.8467	5,903.2615
Worker	2.0598		17.8801		7.4049		7.4370	1.9722		2.0017		6,362.0496	6,362.0496	0.1231	0.1312	6,404.2260

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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	12,010.915	0.2058	0.9779	12,307.487
											5	5			4

3.9 Building Construction (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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		0.1555	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978				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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.8954	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		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

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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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	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				6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.7439	0.1115	9.8554	2.6284	0.1054	2.7338		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				6,701.4673
Total	2.5967	13.2662	23.5272	0.1189	9.2540	0.1115	9.3656	2.5081	0.1054	2.6136		12,526.904 4	12,526.904 4	0.2302	1.0257	12,838.311 0

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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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	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		2.1035		6,501.2493	6,501.2493	0.1343	0.1379	6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.7440	0.1096	9.8535	2.6284	0.1036	2.7320		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,545.6974
Total	2.4583	13.1208	22.3612	0.1159	9.2541	0.1096	9.3636	2.5082	0.1036	2.6117		12,266.112 5	12,266.112 5	0.2173	1.0018	12,570.074 5

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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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	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		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
Total	2.3323	12.9745	21.3738	0.1130	9.7440	0.1071	9.8511	2.6284	0.1013	2.7297		12,010.915 5	12,010.915 5	0.2058	0.9779	12,307.487 4

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.6077		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
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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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	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			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
Total	2.2153	12.8559	20.5483	0.1103	9.7441	0.1046	9.8486	2.6284	0.0989	2.7274		11,774.289 0	11,774.289 0	0.1960	0.9555	12,063.916 0

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	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				6,278.4589
Total	2.2153	12.8559	20.5483	0.1103	9.2542	0.1046	9.3587	2.5082	0.0989	2.6071		11,774.289 0	11,774.289 0	0.1960	0.9555	12,063.916 0

3.10 Paving (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

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

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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/d	ay					lb/c	lay	
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
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		5.1200e- 003		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.9763		29.2515			0.9370	0.9370		0.8621	0.8621		4,415.0944				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000		0.0000	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
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

3.10 Paving (For Sale) - 2025

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					. 3			. 3								
- 1					PM10	PM10		PM2.5	PM2.5							
					1 10110	1 14110		1 1412.0	1 11/2.0							1

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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/d	lay	
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
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			209.9155	209.9155	4.6400e- 003	4.6000e- 003	211.4028
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303		29.1559			0.8371	0.8371		0.7701	0.7701		4,413.4903				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000		0.0000	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
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

3.10 Paving (For Sale) - 2026

-																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
- 11																
- 11					PM10	PM10		PM2.5	PM2.5							
- 11																

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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/d	lay					lb/d	lay	
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
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303		29.1559			0.8371	0.8371		0.7701	0.7701		4,413.4903				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

-																
	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			DMAA	D1440		DN40 F	D140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/e	day					lb/d	lay	
Archit. Coating						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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

ROG NOx CO SO2 Fugitive Exhaust PM10 Total Fugitive Exhaust PM2.5 Total Bio- CO2	NID:a CO2 Tatal CO2		
	NBio- CO2 Total CO2	CH4 N2O	CO2e
PM10 PM10 PM2.5 PM2.5			
PM10 PM10 PM2.5 PM2.5			

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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/d	day					lb/c	lay	
Archit. Coating						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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			50.440	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/c	lay	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			51446	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/c	lay	
Archit. Coating	27.0354					0.0000	0.0000	0.0000	0.0000		0.0000		0.0000
Off-Road		2.4376		5.9400e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			50.440	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			50.440	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0268		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

п																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
ı					PM10	PM10		PM2.5	PM2.5							
					-				_							

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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/d	day					lb/d	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
				003									

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			1,298.8826	1,298.8826			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

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

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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/d	day					lb/d	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
				003									

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

п																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
ı					PM10	PM10		PM2.5	PM2.5							
					-				_							

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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/d	day					lb/c	lay	
Archit. Coating	38.9364					0.0000	0.0000	0.0000	0.0000		0.0000		0.0000
Off-Road	0.3417	2.2910		5.9400e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1,254.3714
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

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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

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

4.2 Trip Summary Information

	Ave	rage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	e %
Land Use	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	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	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/d	day							lb/c	lay		

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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

NaturalGas	Ξ	0.0000	·····	0.0000	:	0.0000	0.0000	·······	: .	0.0000	 0.0000	:	:	0.0000	0.0000	:	:	0.0000	:	0.0000	0.0000		0.0000	:	0.0000
Mitigated	Ξ		Ė		ŧ				Ē				į				ŧ		Ē			Ē		Ē	
NaturalGas	··Ē···	0.0000		0.0000		0.0000	0.0000		:	0.0000	 0.0000		:	0.0000	 0.0000		:	0.0000		0.0000	0.0000		0.0000		0.0000
Unmitigated	Ξ		:		:				:			Ē	:			Ē	:		:			- 1		Ξ	

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	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/d	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	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
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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	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/d	day							lb/c	lay		
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		0.0000	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	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
High Turnover (Sit Down Restaurant)		0.0000	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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		99.4223
Unmitigated	31.0536	0.6193	53.8160	2.8500e- 003		0.2981	0.2981		0.2981	0.2981		97.0769	97.0769	0.0938		99.4223

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	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/d	day							lb/c	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	СО	SO2	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/c	lay		
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

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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

5.0 Operational Officad						
Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
10.0 Stationary Equipment						
Fire Pumps and Emergency Gene	erators					
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					_	-

11.0 Vegetation

Equipment Type

Number

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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

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)63Climate Zone4Operational Year2028

Utility Company Pacific Gas and Electric Company

 CO2 Intensity
 203.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution 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 -

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

dalOne at Freedon Military Com		N- Observe	Tion A 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
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

#IO#DandEnvisonant	Off Dood Favior and Juit Amount	2.00	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
	OffRoadEquipmentUnitAmount	3.00	
tblOffRoadEquipment			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
I	E		

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
	. —	142.64	
tblVehicleTrips	SU_TR	5.95	4.31
		21.10	
• · · · · · · · · · · · · · · · · · · ·	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
		346.23	
		112.18	
		8.36	
		37.75	18.11
· ·	WD_TR	9.44	5.20
tblWoodstoves	NumberCatalytic	7.80	0.00
tblWoodstoves	Ni waharCatalistia	2.20	0.00
tblWoodstoves		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) <u>Unmitigated Construction</u>

	ROG	NOx	СО	SO2	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/c	lay		
2023	23.4726	235.9893	184.0495	0.4054	76.4067	10.2471	86.6538	35.1492	9.4781	44.6273	0.0000	39,325.512 2	39,325.512 2	11.2280	0.2467	39,679.713 3
2024	97.7761	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214		14.5399		0.0000	101,358.89 00	00			102,857.31 60
2025	89.5276	289.2111	371.9140	0.9294	68.6901	10.8218	79.5119	23.5360	10.0739	33.6099	0.0000	92,864.329 1	92,864.329 1			94,271.787 7
2026			300.4635		33.2571		40.6037	8.9529	6.8759	15.8288		73,721.432 5	5			74,911.308 6
2027	49.9217		113.3767	0.3425	21.0488	2.4343	23.4832	5.6708	2.2970	7.9678	0.0000	35,104.021 8	35,104.021 8	2.9112	2.0309	35,782.003 2
2028	44.6733	41.2508	59.3027	0.1770	11.3049	1.2689	12.5738	3.0424	1.2002	4.2426		18,173.030 0				18,509.568 0
Maximum	105.8410	389.2552	419.2025	1.0184	108.2915	15.6583	123.2214	43.8171	14.5399	57.6885	0.0000	101,358.89 00	101,358.89 00	18.5182	3.5197	102,857.31 60

Mitigated Construction

	ROG	NOx	СО	SO2	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/d	day							lb/c	lay		
2023	23.4726	235.9893	184.0495	0.4054	33.5426	10.2471	43.7897	15.2629	9.4781	24.7410	0.0000	39,325.512 1	39,325.512 1	11.2280	0.2467	39,679.713 3
2024	97.7761	389.2552	419.2025	1.0184	64.1828	15.6583	79.1128	23.5877	14.5399	37.4592	0.0000	101,358.88 99	101,358.88 99	18.5182	3.5197	102,857.31 59
2025	89.5276	289.2111	371.9140	0.9294	47.1038	10.8218	57.9256	14.8776	10.0739	24.9515	0.0000	92,864.329 0	92,864.329 0	15.4986	3.4228	94,271.787 6
2026	105.8410		300.4635		31.5775		38.9242	8.5406	6.8759	15.4165		73,721.432 5	5			74,911.308 5
2027	49.9217		113.3767	0.3425	19.9876		22.4220	5.4103	2.2970	7.7073	0.0000	35,104.021 8	35,104.021 8	2.9112	2.0309	35,782.003 2

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			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	101,358.88	101,358.88	18.5182	3.5197	102,857.31
												99	99			59

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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
Mobile		31.1599	237.5484		62.5350		62.8985	16.6572		16.9965		53,780.131 5				54,666.772 1
Total	53.5695	31.7792	291.3644	0.5088	62.5350	0.6616	63.1966	16.6572	0.6374	17.2946	0.0000	53,877.208 4	53,877.208 4	3.2864	2.7075	54,766.194 4

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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		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		53,780.131 5	53,780.131 5	3.1926	2.7075	54,666.772 1
Total	53.5695	31.7792	291.3644	0.5088	62.5350	0.6616	63.1966	16.6572	0.6374	17.2946	0.0000	53,877.208 4	53,877.208 4	3.2864	2.7075	54,766.194 4

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Building Construction	1/1/2024	9/1/2026	5	697	
6		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	

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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

I	10	Arch Coating (Commercial)	Architectural Coating	10/1/2024	12/1/2026	5	566	
I	11	Arch Coating (Apartments)	Architectural Coating	10/1/2024	12/1/2026	5	566	
I	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	
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	6		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			
-	Forklifts	6	8.00		
Building Construction (Commercial)	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial)	Pavers	4	8.00		
Building Construction (Commercial)	Paving Equipment	<u> </u>	8.00		
Building Construction (Commercial)	Rollers	4			
Building Construction (Commercial)	Tractors/Loaders/Backhoes	6			0.37
Building Construction (Commercial)	Welders	1	8.00		
Paving (Commercial)	Air Compressors	2			
Paving (Commercial)	Pavers	4			
Paving (Commercial)	Paving Equipment	4			0.36
Paving (Commercial)	Rollers	4			0.38
Building Construction (Apartment)	Cranes	2			
Building Construction (Apartment)	Forklifts	. 6		· · · · · · · · · · · · · · · · · · ·	
Building Construction (Apartment)	Generator Sets	: 2	8.00		
Building Construction (Apartment)	Tractors/Loaders/Backhoes	- - - - -			
Building Construction (Apartment)	Welders	2	8.00		
Building Construction (For Sale)	Cranes		7.00		
Building Construction (For Sale)	Forklifts	6			0.20
Building Construction (For Sale)	Generator Sets	2			
Building Construction (For Sale)	Tractors/Loaders/Backhoes	£ 6			
	<u> </u>	2			
Building Construction (For Sale)	Welders Pavers	4	8.00 8.00		
Paving (For Sale) Paving (For Sale)		:			
	Paving Equipment	4			
Paving (For Sale)	Rollers	4			
Arch Coating (Commercial)	Air Compressors	2			
Arch Coating (Apartments)	Air Compressors	2		78	0.48
Arch Coating (For Sale)	Air Compressors	2	6.00	78	0.48

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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

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 /Transhing)	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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					0.6993	0.0000	0.6993	0.1059		0.1059			0.0000			0.0000
Off-Road	4.5382	42.9688	39.2867	0.0777		1.9951	1.9951			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	day		
9	6.4100e-003		0.0972	1.9300e- 003	0.0566	3.6200e- 003		0.0155	3.4700e- 003	0.0190		207.7288		003		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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			50.440	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day							lb/c	lay	
Fugitive Dust					0.2990	0.0000	0.2990	0.0453	0.0000	0.0453			0.0000		0.0000
Off-Road		42.9688		0.0777		1.9951	1.9951	•••••	1.8560	1.8560	0.0000	7,493.9680	7,493.9680	2.0987	7,546.4366
Total	4.5382	42.9688	39.2867	0.0777	0.2990	1.9951	2.2940	0.0453	1.8560	1.9012	0.0000	7,493.9680	7,493.9680	2.0987	7,546.4366

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	6.4100e-003		0.0972	1.9300e- 003	0.0541	3.6200e- 003	0.0577	0.0149	3.4700e- 003	0.0184			207.7288	003		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
Total	0.0912	0.4921	0.7896	3.9300e- 003	0.2876	4.8600e- 003	0.2925	0.0771	4.6100e- 003	0.0817		412.4790	412.4790	0.0109	0.0389	424.3431

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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			7,547.2690
Total	4.4875	41.7563	39.4147	0.0777	0.6993	1.9203	2.6196	0.1059	1.7844	1.8903		7,494.8455	7,494.8455	2.0969		7,547.2690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
3	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		003		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
Total	0.0858	0.4877	0.7451	3.8400e- 003	0.3031	4.8400e- 003	0.3079	0.0809	4.5800e- 003	0.0855		404.3884	404.3884	0.0103	0.0380	415.9737

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					. 3			. 3								
- 1					PM10	PM10		PM2.5	PM2.5							
					1 10110	1 14110		1 1412.0	1 11/2.0							1

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

Category					lb/e	day							lb/d	lay	
Fugitive Dust			<u> </u>		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	6.4000e-003		0.0976	1.9000e- 003	0.0541	3.6600e- 003	0.0577	0.0149	3.5000e- 003	0.0184			204.6850	003		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		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

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

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

Category					lb/d	day							lb/d	lay	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					39.3140	0.0000	39.3140	20.2049		20.2049			0.0000			0.0000
	5.3218	54.3520				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

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

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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/d	day							lb/d	lay	
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			2.4587	2.4587			2.2620	0.0000	7,376.0199	7,376.0199	2.3856	7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	16.8067	2.4587	19.2654	8.6376	2.2620	10.8996	0.0000	7,376.0199	7,376.0199	2.3856	7,435.6588

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			235.1298
Total	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

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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		16,898.713 5	16,898.713 5			17,035.348 2
Total	9.9759	106.0611	71.4588	0.1745	34.7095	4.2903	38.9998	14.3885	3.9471	18.3355		16,898.713 5	16,898.713 5	5.4654		17,035.348 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0354	2.3937	0.5372	0.0106	0.3129	0.0200	0.3329	0.0858	0.0192	0.1050		1,148.0648				1,202.7248
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
Total	0.1768	2.4920	1.6913	0.0140	0.7236	0.0221	0.7457	0.1948	0.0211	0.2158		1,489.3151	1,489.3151	0.0350	0.1915	1,547.2652

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

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/d	day							lb/d	lay	
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		16,898.713 5	16,898.713 5	5.4654	 17,035.348 2
Total	9.9759	106.0611	71.4588	0.1745	14.8383	4.2903	19.1286	6.1511	3.9471	10.0981	0.0000	16,898.713 5	16,898.713 5	5.4654	17,035.348 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0354	2.3937	0.5372	0.0100	0.2987	0.0200	0.3187	0.0823	0.0102	0.1015		1,148.0648				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		344.5403
Total	0.1768	2.4920	1.6913	0.0140	0.6880	0.0221	0.7101	0.1860	0.0211	0.2071		1,489.3151	1,489.3151	0.0350	0.1915	1,547.2652

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Fugitive Dust					34.7095	0.0000	34.7095	14.3885	0.0000	14.3885			0.0000			0.0000
	9.6952	99.9063	70.4246	0.1745		4.0528	4.0528		3.7286			16,892.139 5	16,892.139 5	5.4633		17,028.721 0
Total	9.6952	99.9063	70.4246	0.1745	34.7095	4.0528	38.7623	14.3885	3.7286	18.1170		16,892.139 5	16,892.139 5	5.4633		17,028.721 0

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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				1,185.1222
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
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

П	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
П					PM10	PM10		PM2.5	PM2.5							
- 1					1 10110	1 14110		1 1412.0	1 1012.0							1

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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/d	day							lb/c	lay	
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000		0.0000
Off-Road		99 9063	70.4246			4.0528	4.0528	• • • • • • • • • • • • • • • • • • • •		3.7286		16,892.139	16 802 130	5 4633	 17,028.721
Oli itoda	3.0302	33.3000	70.4240	0.1740		4.0020	4.0020		0.7200	0.7200	0.0000	5	5	0.4000	0
Total	9.6952	99.9063	70.4246	0.1745	14.8383	4.0528	18.8911	6.1511	3.7286	9.8796	0.0000	16,892.139	16,892.139	5.4633	17,028.721
												5	5		0

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0354	2.4045	0.5395	0.0105	0.2987	0.0202	0.3189	0.0823	0.0100	0.1017		1,131.2425				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
Total	0.1677	2.4922	1.6187	0.0137	0.6881	0.0222	0.7102	0.1860	0.0211	0.2072		1,464.0816	1,464.0816	0.0342	0.1882	1,521.0219

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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
Total	8.7302	86.3597	66.0883	0.1744	34.7095	3.4463	38.1558	14.3885	3.1706	17.5590		16,886.580 8	16,886.580 8	5.4615		17,023.117 3

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	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	,		:	1,163.3849
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
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

ROG	NOx	СО	SO2	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/d	day							lb/c	lay		
Fugitive Dust					14.8383	0.0000	14.8383	6.1511	0.0000	6.1511			0.0000			0.0000
Off-Road		86 3597	66.0883			3.4463	3.4463	• • • • • • • • • • • • • • • • • • • •		3.1706		16,886.580	16 886 580	5.4615		17,023.117
Oli itoda	0.7002	00.0007	00.0000	0.1744		0.4400	0.4400		0.1700	0.1700	0.0000	8	8	0.4010	:	3
Total	8.7302	86.3597	66.0883	0.1744	14.8383	3.4463	18.2846	6.1511	3.1706	9.3217	0.0000	16,886.580	16,886.580	5.4615		17,023.117
												8	8			3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0352	2.0000	0.5404	0.0103	0.2000	0.0202	0.3189	0.0823	0.0100	0.1016		1,110.4717				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			324.8721	324.8721	8.9000e- 003	8.8600e- 003	327.7350
Total	0.1596	2.4754	1.5547	0.0134	0.6881	0.0221	0.7101	0.1860	0.0210	0.2071		1,435.3438	1,435.3438	0.0335	0.1844	1,491.1200

3.5 Infrastructure (Trenching) - 2023 <u>Unmitigated Construction On-Site</u>

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

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

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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/d	lay						lb/d	lay	
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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		
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/d	day							lb/d	lay		
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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

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

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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

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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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				0.0933	1.6300e- 003			299.5552				
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

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

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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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		1.6100e- 003	0.3713	0.0981	1.4800e- 003	0.0995		285.6883	285.6883	7.3200e- 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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		7.5400e- 003	288.1172
Total	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

3.6 Building Construction (Commercial) - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.8977	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			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

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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0373	7.4422	1.9722	0.0344	2.0065		6,330.5989				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

3.6 Building Construction (Commercial) - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		7.4406	1.9722	0.0329	2.0051		6,179.0678				6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

3.6 Building Construction (Commercial) - 2026

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0541		0.0701	2.0074	0.5562	0.0721	0.6287		5,774.8306	,	0.0822	0.8660	6,034.9560
Worker	2.2366	1.3690	18.2506		7.8122	0.0341	7.8463	2.0722		2.1035		6,037.5455	6,037.5455	0.1548		6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	ay		
Off-Road	4.3453	40.7606		0.0970		1.8513	1.8513		1.7217	1.7217	0.0000	9,318.9613				9,384.2011
Total	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

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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					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				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				6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

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

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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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			235.1298
Total	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

3.7 Paving (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road		19.4543		0.0515		0.9401	0.9401			0.8731		4,976.3864			:	5,012.8393
Paving	0.0881						0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2601	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

Unmitigated Construction Off-Site

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

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

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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					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0726	1.2100e- 003	0.0738		227.4105	227.4105	6.2300e- 003	6.2000e- 003	229.4145
Total	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

3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

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

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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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	1.0010	0.0761	2.0077	0.5562	0.0720	0.6289		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5,989.3191			6,258.8785
Worker	2.5160	1.6688	20.5264	0.0614	7.8122		7.8495	2.0722	0.0344	2.1065			6,330.5989			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	ay		
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978				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

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

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

Category					lb/e	day						lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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				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			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

3.8 Building Construction (Apartment) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.6290		5,882.6593	5,882.6593	0.0822		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		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	lay							lb/d	lay		
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487				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

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

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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				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
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138	12,061.727	12,061.727	0.2514	1.0505	12,381.071
											1	1			7

3.8 Building Construction (Apartment) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		0.0541			2.0074	0.5562	0.0724	0.6287		5,774.8306	5,774.8306	0.0822	:	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				6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	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

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

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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

Worker	2.2366	1.3690	18.2506	0.0575	7.4049	0.0341	7.4389	1.9722	0.0313	2.0035		6,037.5455		0.1593	6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119	11,812.376	11,812.376	0.2370	1.0253	12,123.833
											1	1			4

3.8 Building Construction (Apartment) - 2027

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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
Total	2.3755	13.9283	20.9753	0.1088	9.7440	0.1073	9.8513	2.6284	0.1015	2.7299		11,567.370 0	11,567.370 0	0.2241	1.0003	11,871.064 2

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/c	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0818	0.8488	5,913.7056
	2.1175		17.3645		7.4049		7.4370	1.9722		2.0017		5,908.6545	5,908.6545	0.1423	0.1515	5,957.3586

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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	11,567.370	0.2241	1.0003	11,871.064	
											0	0			2	

3.9 Building Construction (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		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			6,388.8115
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978				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

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

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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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/d	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.7439	0.1118	9.8557	2.6284	0.1056	2.7340		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,233.5204
Total	2.6341	14.2743	22.9943	0.1144	9.2540	0.1118	9.3658	2.5081	0.1056	2.6138		12,061.727 1	12,061.727 1	0.2514	1.0505	12,381.071 7

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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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	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		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
Total	2.4993	14.1000	21.9039	0.1116	9.7440	0.1098	9.8537	2.6284	0.1038	2.7322		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	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		6,088.8774
Total	2.4993	14.1000	21.9039	0.1116	9.2541	0.1098	9.3638	2.5082	0.1038	2.6119		11,812.376 1	11,812.376 1	0.2370	1.0253	12,123.833 4

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000		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
Total	2.3755	13.9283	20.9753	0.1088	9.7440	0.1073	9.8513	2.6284	0.1015	2.7299		11,567.370 0	11,567.370 0	0.2241	1.0003	11,871.064 2

Mitigated Construction On-Site

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000		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 40 40	0.0321	7.4370	1.9722	0.0296	2.0017			5,908.6545			5,957.3586
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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	ay		
Hauling	0.0000	0.0000	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		0.0817		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		11,339.639 4	11,339.639 4	0.2131	0.9769	11,636.073 3

Mitigated Construction On-Site

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

3.10 Paving (For Sale) - 2024 <u>Unmitigated Construction On-Site</u>

r <u>=</u> .															
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	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/d	day					lb/c	lay	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.9763		29.2515			0.9370	0.9370		0.8621	0.8621		4,415.0944	·			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

-																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
- 11																
- 11					PM10	PM10		PM2.5	PM2.5							
- 11																

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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/d	lay					lb/d	lay	
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
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303		29.1559			0.8371	0.8371		0.7701	0.7701		4,413.4903				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

-																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
- 11																
- 11					PM10	PM10		PM2.5	PM2.5							
- 11																

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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/d	lay					lb/d	lay	
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
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8303		29.1559			0.8371	0.8371		0.7701	0.7701		4,413.4903				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

-																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
- 11																
- 11					PM10	PM10		PM2.5	PM2.5							
- 11																

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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/d	day					lb/c	lay	
Archit. Coating	27.0354					0.0000	0.0000	0.0000	0.0000		0.0000		0.0000
Off-Road		2.4376		5.9400e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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/d	day							lb/d	day		
Archit. Coating						0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			51446	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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/d	day							lb/c	lay		
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			50.440	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0309		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fuaitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		-			50.440	51446		D140 =	5140.5							
					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/d	day	
Archit. Coating	27.0354					0.0000	0.0000	0.0000	0.0000		0.0000		0.0000
Off-Road	0.3615	2.4376		5.9400e-		0.1210			0.1218	 562.8961	E62 9061	0.0217	 563.6885
Oll-Road	0.3615	2.4376	3.6203	003		0.1218	0.1216	0.1216	0.1216	562.6961	502.6961	0.0317	563.6665
Total	27.3969	2.4376	3.6203	5.9400e-		0.1218	0.1218	0.1218	0.1218	562.8961	562.8961	0.0317	563.6885
				003									

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0372		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
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	0.0000	562.8961	562.8961	0.0317		563.6885

Mitigated Construction Off-Site

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

-																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
- 11																
- 11					PM10	PM10		PM2.5	PM2.5							
- 11																

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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/d	day					lb/d	lay	
Archit. Coating	27.0354					0.0000	0.0000	0.0000	0.0000		0.0000		0.0000
Off-Road	0.3417	2.2910		5.9400e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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

-																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fuaitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
- 11																
- 11					PM10	PM10		PM2.5	PM2.5							
- 11																

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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/d	day				lb/d	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	27.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

_																
ı	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
ı					PM10	PM10		PM2.5	PM2.5							

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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/d	day					lb/c	lay	
Archit. Coating	38.9364					0.0000	0.0000	0.0000	0.0000		0.0000		0.0000
Off-Road	0.3417	2.2910		5.9400e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		0.0309		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

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

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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/d	day					lb/c	lay	
Archit. Coating	38.9364					0.0000	0.0000	0.0000	0.0000		0.0000		0.0000
Off-Road	0.3417	2.2910		5.9400e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	38.9364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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 <u>Unmitigated Construction On-Site</u>

п																
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
ı					PM10	PM10		PM2.5	PM2.5							
					-				_							

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

Category					lb/d	day					lb/c	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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

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

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

	Ave	rage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	e %
Land Use	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	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	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	Exhaust	PM10 Total	Fugitive	Exhauet	PM2.5 Total	Bio- CO2	NRio- CO2	Total CO2	CH4	N2O	CO2e
	ROO	NOX	60	302	PM10	PM10	1 WITO TOTAL	PM2.5	PM2.5	I WZ.5 TOTAL	DIO- CO2	NDIO- COZ	Total CO2	0114	1420	COZE
Category					lb/e	day							lb/c	day		

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

NaturalGas	Ξ	0.0000		0.0000		0.0000	:	0.0000	· · · · · · · · · · · · · · · · · · ·	0.	.0000	(0.0000	:	:	0.0000	0	0.0000	 :	0.0000	:	0.0000	0.0000	·····	0.0000		0.0000
Mitigated	Ξ		Ξ		÷					:					:				1		Ė			Ξ		Ξ	
NaturalGas	··Ē···	0.0000	• • • • • • • • • • • • • • • • • • • •	0.0000		0.0000		0.0000		0	.0000	(0.0000		:	0.0000	0	0.0000	 :	0.0000		0.0000	0.0000	:	0.0000	:	0.0000
Unmitigated	Ξ		Ξ		Ξ		:			:					:				:		1			:		:	

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	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/e	day							lb/d	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	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
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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	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/d	day							lb/d	lay		
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	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
High Turnover (Sit Down Restaurant)		0.0000	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

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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

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

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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

Institute Recycling and Composting Services

9.0 Operational Offroad

0.0 Opt	rational Omeau						
	Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
10.0 St	ationary Equipment						
Fire Pun	nps and Emergency Gene	erators					
	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 De	fined Equipment				-		•

11.0 Vegetation

Equipment Type

Number

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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

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
 203.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution 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

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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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
	<u>.</u>		
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	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	: g		
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
<u></u>	PR_TP	86.00	100.00
tbl/Vehicle I rips	1 15_11	00.00	100.00

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

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blvehicleTrips	tblVehicleTrips	•	· · · · · · · · · · · · · · · · · · ·	
biveniciatrips	tblVehicleTrips	<u> </u>	86.00	100.00
International Content	tblVehicleTrips		51.00	100.00
International Content	tblVehicleTrips		37.00	100.00
btVehicleTrips	tblVehicleTrips	PR_TP	58.00	100.00
tbl/ehcleTrips	tblVehicleTrips	PR_TP	54.00	
tibl/ehicleTrips	tblVehicleTrips		86.00	
tbl/PelicieTrips	tblVehicleTrips	ST_TR	4.91	3.45
btVehicleTrips	tblVehicleTrips	ST_TR	1.96	
bl/behicleTrips	tblVehicleTrips			
bit/behicleTrips	tblVehicleTrips	ST_TR	696.00	
bit/ehicleTrips	tblVehicleTrips	ST_TR	122.40	
tbl/ehicleTrips ST_TR 9.54 5.20 tbl/ehicleTrips SU_TR 4.09 3.45 tbl/ehicleTrips SU_TR 2.19 0.44 tbl/ehicleTrips SU_TR 6.28 3.72 tbl/ehicleTrips SU_TR 500.00 248.50 tbl/ehicleTrips SU_TR 142.64 107.20 tbl/ehicleTrips SU_TR 5.95 4.31 tbl/ehicleTrips SU_TR 21.10 18.11 tbl/ehicleTrips SU_TR 8.55 5.20 tbl/ehicleTrips WO_TR 5.44 3.45 tbl/ehicleTrips WD_TR 0.78 0.44 tbl/ehicleTrips WD_TR 7.32 3.72 tbl/ehicleTrips WD_TR 346.23 248.50 tbl/ehicleTrips WD_TR 112.18 107.20 tbl/ehicleTrips WD_TR 8.36 4.31 tbl/ehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	ST_TR	8.19	4.31
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tbIVehicleTrips WD_TR 5.44 3.45 tbIVehicleTrips WD_TR 0.78 0.44 tbIVehicleTrips WD_TR 7.32 3.72 tbIVehicleTrips WD_TR 346.23 248.50 tbIVehicleTrips WD_TR 112.18 107.20 tbIVehicleTrips WD_TR 8.36 4.31 tbIVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips			
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tblVehicleTrips WD_TR 112.18 107.20 tblVehicleTrips WD_TR 8.36 4.31 tblVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	7.32	3.72
tblVehicleTrips WD_TR 8.36 4.31 tblVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips		346.23	248.50
tblVehicleTrips WD_TR 8.36 4.31 tblVehicleTrips WD_TR 37.75 18.11			112.18	107.20
tblVehicleTrips WD_TR 37.75 18.11	tblVehicleTrips	WD_TR	8.36	4.31
tblVehicleTrips WD_TR 9.44 5.20	tblVehicleTrips	WD_TR		
	tblVehicleTrips	WD_TR	9.44	5.20

2.0 Emissions Summary

2.1 Overall Construction <u>Unmitigated Construction</u>

		ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Yea	ar					tor	ns/yr							МТ	/yr		
2023	3	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
202	4	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
202	5	11.3212	34.7724	46.0551	0.1155	10.1147	1.3029	11.4176	2.8350	1.2141	4.0490	0.0000	10,485.873 4	10,485.873 4	1.6736	0.3953	10,645.520 7
202		9.4385	19.2503	28.3819	0.0752	3.6982	0.6721	4.3703	0.9990	0.6310	1.6300		6,907.0029	6,907.0029		0.3281	7,024.4180
202	7	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
202		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
Maxim	num	11.3212	41.2335	46.0551	0.1155	13.8260	1.6719	15.4978	4.9429	1.5515	6.4943	0.0000	10,485.873 4	10,485.873 4	1.8245	0.3953	10,645.520 7

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

	ROG	NOx	СО	SO2	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					tor	ns/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		9,549.4209				9,685.0086
2025	11.3212	34.7724	46.0550	0.1155	6.5449	1.3029	7.8479	1.8171	1.2141	3.0311		10,485.866 6				10,645.513 9
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	10,485.866 6	10,485.866 6	1.8245	0.3953	10,645.513 9

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category													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		10.9579		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		67.1135	2.1909	0.0525	137.5163

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Total	11.7959	6.6746	49.0857	0.1057	10.9579	0.5974	11.5553	2.9277	0.5930	3.5206	268.0534	11,004.409	11,272.462	15.0228	0.5252	11,804.553
												2	6			0

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category													МТ	/yr		
Area	7.5542			6.0700e- 003		0.4393	0.4393		0.4393	0.4393	41.8615		63.8319		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		0.0000			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	10,996.949 0	11,158.284 0	8.5293	0.5148	11,524.920 4

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	0.4

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	Rubber Tired Dozers	4	•		0.40
Grading	Scrapers	6	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	4	8.00	:	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	:	84	0.74
Infrastructure (Trenching)	Tractors/Loaders/Backhoes	6	•		0.37
Infrastructure (Trenching)	Welders	2	8.00	46	0.45
Building Construction (Commercial)	Cranes	2	7.00	231	0.29
	Forklifts	6	8.00	89	0.20
` ,	Generator Sets	2	8.00	84	0.74
9	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
` ,	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	
Paving (Commercial)	Pavers	4	8.00	130	0.42
	Paving Equipment	4	8.00	132	0.36
Paving (Commercial)	Rollers	4	8.00	80	0.38
, , ,	Cranes	2	7.00	231	0.29
• • • • • • • • • • • • • • • • • • • •	Forklifts	6	8.00	89	0.20
Building Construction (Apartment)	Generator Sets	2	8.00	84	0.74
` ` ' /	Tractors/Loaders/Backhoes	6	•	97	0.37
,	Welders	2	8.00	46	0.45
9	Cranes	2			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 Equipment	4	8.00		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 /Tranships)	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	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 CalEEMod Version: CalEEMod.2020.4.0 Page 1 of 1

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Fugitive Dust					0.0682	0.0000	0.0682	0.0100	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000		0.0000
	0.4425	4.1895	3.8305	7.5700e- 003		0.1945	0.1945			0.1810			662.8453			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Fugitive Dust					0.0292	0.0000	0.0292	4.4100e- 003		4.4100e-003		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		667.4854
Total	0.4425	4.1895	3.8305	7.5700e- 003	0.0292	0.1945	0.2237	4.4100e- 003	0.1810	0.1854	0.0000	662.8445	662.8445	0.1856	0.0000	667.4854

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
	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	004	2.9000e- 003	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14/	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

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Total	8.3000e-	0.0467	0.0746	3.9000e-	0.0270	4.7000e-	0.0275	7.2700e-	4.5000e-	7.7200e-003	0.0000	36.5953	36.5953	9.3000e-	3.4100e-	37.6337
iotai		0.0407	0.0740		0.0270		0.0273			1.12006-003	0.0000	30.3333	30.3333	3.30000		37.0337
	002			004		004		002	004					004	003	
	003			004		004		003	004					004	003	

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Fugitive Dust					0.0388	0.0000	0.0388	5.8800e- 003		5.8800e-003		0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2491			4.3100e- 003		0.1066	0.1066		0.0990	0.0990	0.0000	377.3561	377.3561	0.1056		379.9956
Total	0.2491	2.3175	2.1875	4.3100e- 003	0.0388	0.1066	0.1454	5.8800e- 003	0.0990	0.1049	0.0000	377.3561	377.3561	0.1056	0.0000	379.9956

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr				МТ	/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
Total	4.4400e- 003	0.0263	0.0400	2.2000e- 004	0.0162	2.7000e- 004	0.0165	4.3400e- 003	2.5000e- 004	4.5900e-003	0.0000	20.4220	20.4220	5.0000e- 004	1.9000e- 003	20.9995

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Fugitive Dust					0.0166	0.0000	0.0166	2.5100e- 003		2.5100e-003		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
Total	0.2491	2.3175	2.1875	4.3100e- 003	0.0166	0.1066	0.1232	2.5100e- 003	0.0990	0.1015	0.0000	377.3557	377.3557	0.1056	0.0000	379.9951

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
5	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	004	1.6300e- 003	
Vendor	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	003		1.1000e- 004	0.0125	7.0000e- 005		3.3300e- 003	6.0000e- 005	3.3900e-003	0.0000	10.1230	10.1230	2.8000e- 004	2.7000e- 004	10.2099

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Total	4.4400e-	0.0263	0.0400	2.2000e-	0.0154	2.7000e-	0.0157	4.1300e-	2.5000e-	4.3900e-003	0.0000	20.4220	20.4220	5.0000e-	1.9000e-	20.9995
i Otai	4.44000	0.0200	0.0-00	2.20000	0.0104	2.70000	0.0107	4.10000	2.00000	4.00000 000	0.0000	20.7220	20.7220	0.00000	1.50000	20.5555
	002			004		004		002	004					004	002	
	003			004		004		003	004					004	003	
i I																

3.3 Site Preparation - 2023 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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		657.5627
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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	0.5186	5.3672	3.5576	7.4200e- 003	1.7726	0.2469	2.0195	0.8566	0.2271	1.0838	0.0000	652.2878	652.2878	0.2110	0.0000	657.5619

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Worker	8.9300e- 003	003	0.0761	2.3000e- 004	0.0256	1.4000e- 004	0.0257	6.8300e- 003	004	6.9600e-003		21.2721		6.3000e- 004	5.9000e- 004	21.4636

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Total	8.9300e-	6.1200e-	0.0761	2.3000e-	0.0256	1.4000e-	0.0257	6.8300e-	1.3000e-	6.9600e-003	0.0000	21.2721	21.2721	6.3000e-	5.9000e-	21.4636
	003	003		004		004		003	004					004	004	

3.3 Site Preparation - 2024 Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.5242	5.3537	3.6121	7.5000e- 003	1.7881	0.2422	2.0303	0.8651	0.2228	1.0879	0.0000	659.1034	659.1034	0.2132	0.0000	664.4326

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
	8.4300e- 003	5.5200e- 003	0.0718	2.2000e- 004	0.0259	1.4000e- 004	0.0260	6.9000e- 003		7.0300e-003		20.9603			5.6000e- 004	

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

Total	8.4300e-	5.5200e-	0.0718	2.2000e-	0.0259	1.4000e-	0.0260	6.9000e-	1.2000e-	7.0300e-003	0.0000	20.9603	20.9603	5.7000e-	5.6000e-	21.1404
	003	003		004		004		003	004					004	004	

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Fugitive Dust					0.0270	0.0000	5.8270	1.6668	0.0000	1.6668	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
Total	0.9727	10.3410	6.9672	0.0170	5.8270	0.4183	6.2453	1.6668	0.3848	2.0517	0.0000	1,494.6999	1,494.6999	0.4834	0.0000	1,506.7853

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					to	ns/yr							МТ	/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
Total	0.0164	0.2376	0.1606	1.3700e- 003	0.0681	2.1500e- 003	0.0702	0.0184	2.0500e- 003	0.0204	0.0000	131.8710	131.8710	3.0400e- 003	0.0169	136.9764

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.9727	10.3410	6.9672	0.0170	2.4911	0.4183	2.9094	0.7126	0.3848	1.0974	0.0000	1,494.6981	1,494.6981	0.4834	0.0000	1,506.7835

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	003		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
Worker	0.0128	8.7500e- 003	0.1087	3.3000e- 004	0.0366	2.0000e- 004	0.0368	9.7600e- 003	004	9.9500e-003		30.3887		004	8.4000e- 004	

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Total	0.0164	0.2376	0.1606	1.3700e-	0.0647	2.1500e-	0.0669	0.0176	2.0500e-	0.0196	0.0000	131.8710	131.8710	3.0400e-	0.0169	136.9764
				003		003			003					003		

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					to	ns/yr							МТ	/yr		
, and the second	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		140.7516
vendor	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		2.4000e- 004	0.0134	0.0000	39.8231	39.8231	1.0900e- 003	1.0600e- 003	40.1652

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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-	0.0870	2.9000e-	0.0899	0.0236	2.7700e-	0.0264	0.0000	174.1755	174.1755	4.0000e-	0.0223	180.9168
i Otai	0.0200	0.0100	0.2000		0.0070		0.0000	0.0200		0.0204	0.0000	17-11100	174.1700		0.0220	100.5100
				003		003			002					003	1	
				003		003			003					003	1	

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					to	ns/yr							МТ	/yr		
, and the second	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
0	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	003		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	
Worker		7.1500e- 003		3.1000e- 004	0.0371	1.9000e- 004		9.9100e- 003	1.7000e- 004	0.0101	0.0000	29.3747		7.5000e- 004	7.5000e- 004	29.6165

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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-	0.0657	2.1900e-	0.0679	0.0178	2.0800e-	0.0199	0.0000	129.0437	129.0437	2.9600e-	0.0165	134.0348
												12010101				
				003		003			003					003		
1																

3.5 Infrastructure (Trenching) - 2023 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		3.1300e-003					2.5000e- 004	
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					ton	is/yr							МТ	/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

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

3.5 Infrastructure (Trenching) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		9.4500e- 003	0.1228	3.8000e- 004	0.0466	2.3000e- 004		0.0124	2.1000e- 004	0.0126	0.0000	35.8408			9.5000e- 004	36.1487
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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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		3.8000e- 004	0.0442	2.3000e- 004	0.0444	0.0118	2.1000e- 004	0.0120	0.0000	35.8408				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

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

3.5 Infrastructure (Trenching) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.1148	3.7000e- 004	0.0464	2.2000e- 004	0.0467	0.0124	2.0000e- 004	0.0126		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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Worker	0.0135	8.4800e- 003	0.1148	3.7000e- 004	0.0440	2.2000e- 004	0.0443		2.0000e- 004	0.0120					8.9000e- 004	
Total	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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		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					ton	s/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0368	1.6389	0.4843	7.0400-	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
Total	0.3414	1.8385	3.0788	0.0154	1.1689	0.0148	1.1837	0.3179	0.0140	0.3319	0.0000	1,468.5117	1,468.5117	0.0306	0.1266	1,507.0124

3.6 Building Construction (Commercial) - 2025

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

Category					ton	ns/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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		0.2610	4.2900e- 003	0.2653		736.4765				742.5397
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	is/yr							МТ	/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		9.9100e- 003			9.4800e- 003	0.0776		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		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

3.6 Building Construction (Commercial) - 2026

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		

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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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	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		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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		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

3.7 Paving (Commercial) - 2024

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Oli Rodu	0.2046			4.5100e- 003		0.0927	0.0927		0.0861	0.0861		395.1462				
Paving	7.7100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Total	0.2123	1.8801	2.8763	4.5100e-	0.0927	0.0927	0.0861	0.0861	0.0000	395.1462	395.1462	0.1159	0.0000	398.0428
Total	0.2120	1.0001	2.0700	003	0.0321	0.0327	0.0001	0.0001	0.0000	000.1402	000.1402	0.1100	0.0000	330.0420
				003										

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		0.0638	2.0000e- 004	0.0242	1.2000e- 004		6.4400e- 003	1.1000e- 004	6.5500e-003	0.0000	18.6196		5.1000e- 004		18.7795
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr							МТ	/yr		
Off-Road	0.2046	1.0001		4.5100e- 003		0.0927	0.0927		0.0861	0.0861	0.0000	395.1458	395.1458		•	398.0424
	7.7100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Total	0.2123	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Oii Noda		2.5388		6.7300e- 003		0.1227	0.1227		0.1139	0.1139		589.1425				
Paving	0.0115					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

Total	0.2950	2.5388	4.2770	6.7300e-	0.1227	0.1227	0.1139	0.1139	0.0000	589.1425	589.1425	0.1726	0.0000	593.4581
				003										

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		9.7600e-003		27.1048	27.1048	6.9000e- 004	6.9000e- 004	27.3280
Total	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

Mitigated Construction On-Site

iotai	0.2930	2.3300	4.2770	003		0.1221	0.1227		0.1139	0.1139	0.0000	303.1410	303.1410	0.1720	0.0000	333.4374
Total	0.2950	2.5388	4.2770	6.7300e-		0.1227	0.1227		0.1139	0.1139	0.0000	589.1418	589.1418	0.1726	0.0000	593.4574
	0.0115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Off-Road	0.2835			6.7300e- 003		0.1227	0.1227		0.1139	0.1139	0.0000	589.1418	589.1418		0.0000	593.4574
Category						ns/yr							MT	•		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
	0.1173			2.7800e- 003		0.0508	0.0508		0.0472	0.0472		243.7831				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

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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-	0.0508	0.0508	0.0472	0.0472	0.0000	243.7831	243.7831	0.0714	0.0000	245.5689
Iotai	0.1221	1.0303	1.7030		0.0300	0.0300	0.0472	0.0472	0.0000	243.7031	243.7031	0.0714	0.0000	243.3003
				003										

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		0.0349	1.2000e- 004	0.0149	7.0000e- 005		3.9800e- 003		4.0400e-003		10.9588	10.9588	2.6000e- 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	PM10	PM10	PM10 Total	PM2.5	PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Category					tor	ns/yr							MT	/yr		
I.	Off-Road	0.1173		1.7698	2.7800e- 003		0.0508	0.0508		0.0472	0.0472	0.0000	243.7828	243.7828			245.5686
		4.7600e- 003					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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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				2.7000e- 004	
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/yr							MT	/yr		
Off-Road	0.2237	2.0435		4.1000e- 003		0.0932	0.0932		0.0877	0.0877		352.4106			Ē	354.4940

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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-	0.0932	0.0932	0.0877	0.0877	0.0000	352.4106	352.4106	0.0833	0.0000	354.4940
				003										
													İ	

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		0.1520	2.6100e- 003	0.1546			439.4283			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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		0.1448	2.6100e- 003	0.1474			439.4283			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

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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		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

3.8 Building Construction (Apartment) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		0.0707	9.4400e- 003		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		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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		719.6044				725.3206
Total	0.3040	1.7893	2.7624	0.0146	1.1644	0.0143	1.1787	0.3167	0.0135	0.3302	0.0000	1,402.5876	1,402.5876	0.0270	0.1201	1,439.0613

3.8 Building Construction (Apartment) - 2027

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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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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					tor	ns/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
Vendor	8.6300e- 003		0.1100	1.7200e- 003	0.0609	2.4400e- 003	0.0633	0.0176	2.3300e- 003	0.0199	0.0000		166.6701	2.4300e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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			1.7200e- 003	0.0583	2.4400e- 003		0.0170	2.3300e- 003	0.0193	0.0000		166.6701	003		174.1789
Worker	0.0633	0.0373	0.5433	1.8300e- 003	0.2317	1.0400e- 003		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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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			4.2600e- 003		003			5.5200e- 003	0.0467		412.5327		003		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		439.4283				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					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		412.5327		003		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		439.4283				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

3.9 Building Construction (For Sale) - 2025 <u>Unmitigated Construction On-Site</u>

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

_	_																
I		ROG	NOx	СО	SO2	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

				tor	ns/yr							MT	/yr		
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
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
	0.0359 0.2848	0.0359 1.6312 0.2848 0.1792	0.0359 1.6312 0.4747 0.2848 0.1792 2.4267	0.0359 1.6312 0.4747 7.1800e- 003 0.2848 0.1792 2.4267 7.7900e- 003	0.0000 0.0000 0.0000 0.0000 0.0000 0.0359 1.6312 0.4747 7.1800e- 0.2443 003 0.2443 0.2848 0.1792 2.4267 7.7900e- 0.9813 003	0.0359 1.6312 0.4747 7.1800e- 0.2443 9.9100e- 003 003 003 0.2848 0.1792 2.4267 7.7900e- 0.9813 4.6600e- 003 003	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0359 1.6312 0.4747 7.1800e- 0.2443 9.9100e- 0.2543 0.2543 0.2848 0.1792 2.4267 7.7900e- 0.9813 4.6600e- 0.9859 0.9859	0.0000 0.0000<	0.0000 0.0000<	0.0000 0.0000<	0.0000 0.0000<	0.0000 0.0000<	0.0000 0.0000<	0.0000 0.0000<	0.0000 0.0000<

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT/	yr		

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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-	0.2443	9.8700e-	0.2542	0.0707	9.4400e-	0.0801	0.0000	683 0833	682 0832	0.70000-	0.1024	713.7407
1223.				003		003			003					003		
Worker	0.2688	0.1632	2.2941	7.5500e-	0.9813	4.4400e-	0.9857	0.2610	4.0900e-	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
				003		003			003							:
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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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			7.0500e- 003	0.2340	9.8700e- 003			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		725.3206
Total	0.3040	1.7893	2.7624	0.0146	1.1644	0.0143	1.1787	0.3167	0.0135	0.3302	0.0000	1,402.5876	1,402.5876	0.0270	0.1201	1,439.0613

3.9 Building Construction (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

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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-	0.9813	4.1900e-	0.9855	0.2610	3.8600e-	0.2649	0.0000	704.2403	704.2403	0.0158	0.0169	709.6642
				003		003			003							
Total	0.2887	1.7683	2.6443	0.0142	1.2256	0.0140	4 0000	0.0047	0.0400	0.0450	0.0000	4 070 4050	1.373.4850	0.0055	0.4470	4 400 0500
. Stai	0.2007	1.7003	2.0443	0.0142	1.2236	0.0140	1.2396	0.3317	0.0132	0.3450	0.0000	1,373.4850	1,373.4650	0.0255	0.1172	1,409.0593

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.2887	1.7683	2.6443	0.0142	1.1645	0.0140	1.1784	0.3167	0.0132	0.3299	0.0000	1,373.4850	1,373.4850	0.0255	0.1172	1,409.0593

3.9 Building Construction (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		286.2571
Worker		0.0578		2.9800e- 003		1.6400e- 003		0.1090	1.5100e- 003	0.1105		288.3921		003	6.7500e- 003	

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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-	0.5119	5.7000e-	0.5176	0.1385	5.4000e-	0.1439	0.0000	562.3069	562.3069	0.0101	0.0478	576.8116
				003		003			003							

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/yr							МТ	/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					tor	ns/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					tor	ns/yr							MT.	/yr		
Off-Road	0.0002	0.6286	0.0000	1.5100e- 003		0.0309	0.0309		0.0285	0.0285		132.1751				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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	003	003	0.0206	6.0000e- 005	7.8300e- 003	4.0000e- 005	7.8700e-003	2.0800e- 003	4.0000e- 005	2.1200e-003				1.6000e- 004	004	6.0708

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

Total	2.4200e-	1.5900e-	0.0206	6.0000e-	7.8300e-		7.8700e-003	2.0800e-		2.1200e-003	0.0000	6.0191	6.0191	1.6000e-	1.6000e-	6.0708
	003	003		005	003	005		003	005					004	004	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Off-Road	0.0652	0.6286	0.9653	1.5100e- 003		0.0309	0.0309		0.0285	0.0285		132.1750				133.2437
Paving	4.0300e- 003					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	132.1750	132.1750	0.0428	0.0000	133.2437

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		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
Total	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

3.10 Paving (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Off-Road	0.2389	2.2398	3.8049	5.9500e- 003		0.1092	0.1092		0.1005	0.1005		522.5026				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
Total	0.2548	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Worker	8.9900e- 003	003	0.0766	2.5000e- 004	0.0310	1.5000e- 004	0.0311	8.2300e- 003	004	8.3700e-003		23.2327	23.2327	5.9000e- 004	5.9000e- 004	23.4240

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

Total	8.9900e-	5.6500e-	0.0766	2.5000e-	0.0310	1.5000e-	0.0311	8.2300e-		8.3700e-003	0.0000	23.2327	23.2327	5.9000e-	5.9000e-	23.4240
	003	003		004		004		003	004					004	004	
																1

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Off-Road	0.2389	2.2398	3.8048	5.9500e- 003		0.1092	0.1092		0.1005	0.1005			522.5019			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
Total	0.2548	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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			131.1773
	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Worker	2.1100e- 003	003	0.0180	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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.1100e-	1.2800e-	0.0180	6.0000e-	7.7100e-		7.7400e-003			2.0800e-003	0.0000	5.6534	5.6534	1.3000e-	1.4000e-	5.6983
	003	003		005	003	005		003	005					004	004	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Off-Road	0.0595	0.0070	0.9476	1.4800e- 003		0.0272	0.0272		0.0250	0.0250	0.0000		130.1250			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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

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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-	0.0496	2.5000e-	0.0498	0.0132	2.3000e-	0.0134	0.0000	38.1208	38.1208	1.0400e-	1.0100e-	38.4482
				004		004			004					003	003	

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		0.0101	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
Total	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

3.11 Arch Coating (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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	3.5727	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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	003	3.7500e- 003	

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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-	0.1961	9.3000e-	0.1970	0.0522	8.6000e-	0.0530	0.0000	147.1404	147.1404	3.7500e-	3.7500e-	148.3518
				003		004			004					003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating	0.0201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446		0.4722	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	3.1400e- 003	3.2500e- 003	132.6968

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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-	0.1795	8.1000e-	0.1803	0.0478	7.5000e-	0.0485	0.0000	131.6510	131.6510	3.1400e-	3.2500e-	132.6968
				003		004			004					003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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
Total	3.2716	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		0.0299	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

3.12 Arch Coating (Apartments) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Worker	0.0153		0.1306	4.1000e- 004	0.0496	2.5000e- 004		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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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-	0.0496	2.5000e-	0.0498	0.0132	2.3000e-	0.0134	0.0000	38.1208	38.1208	1.0400e-	1.0100e-	38.4482
				004		004			004					003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		0.1195	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		0.0101	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
Total	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

3.12 Arch Coating (Apartments) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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	3.5727	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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			003	3.7500e- 003	148.3518

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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-	0.1961	9.3000e-	0.1970	0.0522	8.6000e-	0.0530	0.0000	147.1404	147.1404	3.7500e-	3.7500e-	148.3518
				003		004			004					003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating	0.0201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0446		0.4722	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	3.1400e- 003	3.2500e- 003	132.6968

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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-	0.1795	8.1000e-	0.1803	0.0478	7.5000e-	0.0485	0.0000	131.6510	131.6510	3.1400e-	3.2500e-	132.6968
				003		004			004					003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating	0.2007					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408		0.4324	7.1000e- 004		0.0123	0.0123		0.0123	0.0123	0.0000	61.0227	61.0227	3.3300e- 003	0.0000	61.1059
Total	3.2716	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		0.0299	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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Off-Road	3.9300e- 003		0.0416				1.1800e-003			1.1800e-003		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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Worker	4.7300e- 003	003	0.0404	1.3000e- 004	0.0173	8.0000e- 005	0.0174	4.6000e- 003	005	4.6700e-003		12.6694		004	3.1000e- 004	

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

Total	4.7300e-	2.8700e-	0.0404	1.3000e-	0.0173	8.0000e-	0.0174	4.6000e-		4.6700e-003	0.0000	12.6694	12.6694	3.0000e-	3.1000e-	12.7700
	003	003		004		005		003	005					004	004	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
	3.9300e- 003		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		2.8700e- 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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000				0.0000	0.0000	0.0000
Worker	0.0508		0.4358	1.4700e- 003	0.1961	8.4000e- 004		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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Total	0.0508	0.0299	0.4358	1.4700e-	0.1961	8.4000e-	0.1969	0.0522	7.7000e-	0.0529	0.0000	140.7000	140.7000	3.1500e-	3.3700e-	141.7836
				003		004			004					003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
	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					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Worker	0.0200		0.1741	6.0000e- 004	0.0819	3.3000e- 004		0.0218	3.0000e- 004	0.0221	0.0000	57.6178	57.6178	003	1.3500e- 003	58.0498

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Total	0.0200	0.0116	0.1741	6.0000e-	0.0819	3.3000e-	0.0822	0.0218	3.0000e-	0.0221	0.0000	57.6178	57.6178	1.2100e-	1.3500e-	58.0498
	0.0200	0.00	0	0.0000	0.00.0	0.0000	0.0022	0.02.0	0.0000	0.022.	0.0000	0	0			00.0.00
				004		004			004					003	003	
				004		004			004					003	003	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		0.1972	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					tor	ns/yr							МТ	/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Mitigated	4.1086	5.3899	40.5492		10.9579	0.0661	11.0240	2.9277	0.0617	2.9893	0.0000	8,911.1874				9,052.4861
	4.1086	5.3899	40.5492		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

	Ave	rage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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		

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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

		Miles			Trip %			Trip Purpos	e %
Land Use	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	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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		708.1080				715.1099
NaturalGas Mitigated	0.1331	1.1831	0.8188	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		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		1,325.1162

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	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					tor	ns/yr							МТ	/yr		
Apartments Mid Rise	3.26886e+ 006	0.0176	0.1506	0.0641	9.6000e- 004		0.0122	0.0122		0.0122	0.0122		174.4386		3.3400e-003	003	
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

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				-			•	•								
Condo/Townhouse	1.89856e+	0.0102	0.0875	0.0372	5.6000e-	 7.0700e-003	7.0700e-		7.0700e-	7.0700e-003	0.0000	101.3143	101.3143	1.9400e-003	1.8600e-	101.9164
	006				004		003		003						003	
Fast Food	2.48724e+	0.0134	0.1219	0.1024	7.3000e-	 9.2700e-003	9.2700e-		9.2700e-	9.2700e-003	0.0000	132.7286	132.7286	2.5400e-003	2.4300e-	133.5173
Restaurant w/o	006				004		003		003						003	
High Turnover (Sit	3.73086e+	0.0201	0.1829	0.1536	1.1000e-	 0.0139	0.0139		0.0139	0.0139	0.0000	199.0929	199.0929	3.8200e-003	3.6500e-	200.2760
Down Restaurant)	006				003										003	
Hotel	8.92602e+	0.0481	0.4376	0.3675	2.6300e-	 0.0333	0.0333		0.0333	0.0333	0.0000	476.3267	476.3267	9.1300e-003	8.7300e-	479.1573
	006				003										003	
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	379080	2.0400e-	0.0186	0.0156	1.1000e-	 1.4100e-003	1.4100e-		1.4100e-	1.4100e-003	0.0000	20.2292	20.2292	3.9000e-004	3.7000e-	20.3494
Center		003			004		003		003						004	
Single Family	3.99443e+	0.0215	0.1841	0.0783	1.1700e-	 0.0149	0.0149		0.0149	0.0149	0.0000	213.1581	213.1581	4.0900e-003	3.9100e-	214.4247
Housing	006				003										003	
Total	Ī	0.1331	1.1831	0.8188	7.2600e-	0.0920	0.0920		0.0920	0.0920	0.0000	1,317.2882	1,317.2882	0.0253	0.0242	1,325.1162
					003											

Mitigated

	NaturalGa s 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											МТ	-/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
Restaurant w/o	2.48724e+ 006	0.0134	0.1219	0.1024	7.3000e- 004		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+	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
	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		2.0400e- 003	0.0186	0.0156	1.1000e- 004		1.4100e-003	1.4100e- 003			1.4100e-003		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
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 <u>Unmitigated</u>

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		МТ	T/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)		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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Total	708.1080	0.1146	0.0139	715.1099

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		МП	/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)		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
Total		708.1080	0.1146	0.0139	715.1099

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Mitigated	7.5542			6.0700e- 003		0.4393	0.4393		0.4393			21.9704			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	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
Hearth	2.0378	0.0459	2.8742	5.8100e- 003		0.4125	0.4125		0.4125	0.4125	41.8615	14.0444	55.9059		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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Mitigated

	ROG	NOx	СО	SO2	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	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		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		МП	Г/уг	
Mitigated	55.4017	1.7530	0.0420	111.7408
Unmitigated	67.1135	2.1909	0.0525	137.5163

7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/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)		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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Single Family Housing	9.7731 / 6.1613	0.000.	0.3196	7.6500e- 003	20.2590
Total		67.1135	2.1908	0.0525	137.5163

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/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
		M	T/yr	
Mitigated	102.4668	6.0556	0.0000	253.8571
3	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		МТ	/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

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Total		204.9336	12.1112	0.0000	507.7143
Single Family Housing	180.18	36.5749	2.1615	0.0000	90.6128
Regional Shopping Center	170.1	34.5288	2.0406	0.0000	85.5436
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Hotel	76.65	15.5593	0.9195	0.0000	38.5474
High Turnover (Sit Down Restaurant)		43.4807	2.5696	0.0000	107.7215
Fast Food Restaurant w/o	138.23	28.0594	1.6583	0.0000	69.5161

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)		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			
Total		102.4668	6.0556	0.0000	253.8571			

9.0 Operational Offroad

Equipment Type Number Hou	rs/Day Days/Year	Horse Power	Load Factor	Fuel Type
Equipment Type Number Tion	13/Day Days/16ai	1 10136 1 OWEI	Load I actor	i dei Type

10.0 Stationary Equipment

Equipment Type

Fire Pumps and Emergency Generators

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

Heat Input/Year

Heat Input/Day

User Defined Equipment

Equipment Type	Number
Equipment Type	Number

11.0 Vegetation

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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
 203.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 0.004

1.3 User Entered Comments & 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

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

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
	OffRoadEquipmentUnitAmount	3.00	
tblOffRoadEquipment			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
	DV_TP		
tblVehicleTrips	:	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
	PB_TP		
tblVehicleTrips	:	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
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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
tbIW oodstoves	NumberCatalytic	7.80	0.00
tblW oodstoves	NumberCatalytic	2.20	0.00
tblW oodstoves	NumberCatalytic	6.00	0.00
tblW oodstoves	NumberNoncatalytic	7.80	0.00
tbIW oodstoves	NumberNoncatalytic	2.20	0.00
tbIW oodstoves	NumberNoncatalytic	6.00	0.00

2.0 Emissions Summary

2.1 Overall Construction <u>Unmitigated Construction</u>

	ROG	NOx	СО	SO2	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										МТ	/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	10,485.873 4	1.6736	0.3953	10,645.520 7
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	10,485.873 4	1.8245	0.3953	10,645.520 7

Mitigated Construction

	ROG	NOx	СО	SO2	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					tor	ns/yr							MT	/yr		
2023	0.4620	2.1536	18.4310	0.0358	4.4212	0.0608	4.4820	1.6082	0.0607	1.6689						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
This do										: 2.0002 novaPD		10,485.8666	10,485.866 6	1.6736	0.3953	10,645.513 9

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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	10,485.866	1.8245	0.3953	10,645.513
													6			9

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	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	11,216.556 7	14.9502	0.5227	11,746.060 3

Mitigated Operational

	I R	OG NOx	CO	SO2	Fuaitive	Exhaust	PM10 Tot	al Fugitive	Exhaust	PM2.5 Total	Bin- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Th	is docun	nent was	created b	y an a	applicat	on tha	at isn't l	icensed	to use	novaPDI	E.					
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Category					tor	ns/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	11,102.378 0	8.4566	0.5122	11,466.427 7

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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
ite 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	0.4
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
nfrastructure (Trenching)	Cranes	2	7.00	231	0.29
nfrastructure (Trenching)	Forklifts	6	8.00	89	0.20
nfrastructure (Trenching)	Generator Sets	2	8.00	84	0.74
nfrastructure (Trenching)	Tractors/Loaders/Backhoes	6	7.00	97	0.37
nfrastructure (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
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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 (Tranching)	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 (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	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr				MT	/yr					
											_					

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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
1																

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	is/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					tor	ns/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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Fugitive Dust This do	cument	was cr	eated b	by an a	0.0388 pplicati	: 0.0000 on that				15.8800e-0031 novaPD		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

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
Total	0.2491	2.3175	2.1875	4.3100e-003	0.0388	0.1066	0.1454	5.8800e- 003	0.0990	0.1049	0.0000	377.3561	377.3561	0.1056	0.0000	379.9956

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	4.4400e- 003	0.0263	0.0400	2.2000e-004	0.0162	2.7000e- 004	0.0165	4.3400e- 003	2.5000e- 004	4.5900e-003	0.0000	20.4220	20.4220	5.0000e- 004	1.9000e- 003	20.9995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	0.0513	0.2224	2.5841	4.3100e-003	0.0166	6.8400e- 003	0.0234	2.5100e- 003	6.8400e- 003	9.3500e-003	0.0000	377.3557	377.3557	0.1056	0.0000	379.9951

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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 This do				7.4200e-003 Ov an al			0.2469 isn't lic	ensed 1	0.2271 O USE	0.2271 0.2271		652.2886	652.2886	0.2110	0.0000	657.5627

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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
				1												

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/yr							МТ	/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					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	
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
_ This do	cument	was cr	eated	by an a _l	oplicati	on that	isn't lic	ensed t	to use	<u>novaPD</u>	<u>F</u>					

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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
Total	0.0917	0.3974	4.1112	7.5000e-003	1.7881	0.0122	1.8003	0.8651	0.0122	0.8774	0.0000	659.1034	659.1034	0.2132	0.0000	664.4326

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/yr							МТ	/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
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

3.4 Grading - 2023

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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
Total	0.9727	10.3410	6.9672	0.0170	5.8270	0.4183	6.2453	1.6668	0.3848	2.0517	0.0000	1,494.6999	1,494.6999	0.4834	0.0000	1,506.7853

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.0164	0.2376	0.1606	1.3700e-003	0.0681	2.1500e- 003	0.0702	0.0184	2.0500e- 003	0.0204	0.0000	131.8710	131.8710	3.0400e- 003	0.0169	136.9764

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/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
Total	0.2087	0.9042	8.3313	0.0170	2.4911	0.0278	2.5189	0.7126	0.0278	0.7404	0.0000	1,494.6981	1,494.6981	0.4834	0.0000	1,506.7835

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

3.4 Grading - 2024 Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ns/yr				МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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
Total	0.2804	1.2149	11.1939	0.0229	2.8360	0.0374	2.8734	0.9022	0.0374	0.9396	0.0000	2,007.4798	2,007.4798	0.6493	0.0000	2,023.7113

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.2119	0.9182	8.4595	0.0173	2.5065	0.0283	2.5348	0.7211	0.0283	0.7493	0.0000	1,516.6038	1,516.6038	0.4905	0.0000	1,528.8663

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

3.5 Infrastructure (Trenching) - 2023 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
This do				-	pplicati				o use i	novaPD	<u>F</u> .		MT	/yr		

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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-	2.6200e-	0.0326	1.0000e-004	0.0116	6.0000e-	0.0116	3.0800e-	6.0000e-	3.1300e-003	0.0000	9.1166	9.1166	2.7000e-	2.5000e-	9.1987
	003	003				005		003	005					004	004	
Total	3.8300e-	2.6200e-	0.0326	1.0000e-004	0.0116	6.0000e-	0.0116	3.0800e-		3.1300e-003	0.0000	9.1166	9.1166	2.7000e-	2.5000e-	9.1987
	003	003				005		003	005					004	004	

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

3.5 Infrastructure (Trenching) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/yr							МТ	/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 This doc							0.0468 isn't lice					35.8408	35.8408	9.8000e- 004	9.5000e- 004	36.1487

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

Total	0.0144	9.4500e-	0.1228	3.8000e-004	0.0466	2.3000e-	0.0468	0.0124	2.1000e-	0.0126	0.0000	35.8408	35.8408	9.8000e-	9.5000e-	36.1487
		003				004			004					004	004	
																ı

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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					ton	s/yr							МТ	/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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
Total	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

Mitigated Construction Off-Site

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

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					ton	s/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
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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

BOO I NOW I CO I COO I Fundation I Fuhavior I BAMO Trant I Fundation I Fuhavior I BAMO E Trant I Bio	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					ton	ıs/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					tor	ns/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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	s/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
This do				•					to use	novaPD	5000	1,107.4816	1,107.4816	0.3108	0.0000	1,115.2522

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.3414	1.8385	3.0788	0.0154	1.1689	0.0148	1.1837	0.3179	0.0140	0.3319	0.0000	1,468.5117	1,468.5117	0.0306	0.1266	1,507.0124

3.6 Building Construction (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

Mitigated Construction On-Site

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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

3.6 Building Construction (Commercial) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/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
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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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

Mitigated Construction On-Site

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

				PM10	PM10		PM2.5	PM2.5							
ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	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					tor	ns/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

3.7 Paving (Commercial) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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
Total	0.2123	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	0.0620	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/yr				MT.	/yr					
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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	7.40000-	4.9100e-	0.0638	2.0000e-004	0.0230	1.2000e-	0.0231	6.13000-	1 10000-	6.2400e-003	0.0000	18 6106	18 6106	5 10000-	4.00000-	18 7705
Worker	003	003	0.0030	2.00006-004	0.0230	004	0.0231	0.13006	004	0.24006-003	0.0000	10.0190	10.0190	004	004	10.7793
Total	7.4900e-	4.9100e-	0.0638	2.0000e-004	0.0230	1.2000e-	0.0231	6.1300e-		6.2400e-003	0.0000	18.6196	18.6196	5.1000e-	4.9000e-	18.7795
i I	003	003				004		003	004					004	004	

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					ton	ıs/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
Total	0.2950	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/yr							MT	/yr		
Off-Road	0.0810	0.3508	Ė	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
Total	0.0925	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	s/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
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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
		j														
Worker	0.0105	6.6000e-	0.0893	2.9000e-004	0.0342	1.7000e-	0.0344	9.1500e-	1.6000e-	9.3100e-003	0.0000	27.1048	27.1048	6.9000e-	6.9000e-	27.3280
		003		: :		004		003	004	: :				004	004	
Total	0.0105	6.6000e-	0.0893	2.9000e-004	0.0342	1.7000e-	0.0344	9.1500e-	1.6000e-	9.3100e-003	0.0000	27.1048	27.1048	6.9000e-	6.9000e-	27.3280
		003				004		003	004					004	004	
		1		1												

3.7 Paving (Commercial) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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
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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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
Total	0.0383	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	4.0900e-	2.4900e-	0.0349	1.2000e-004	0.0142	7.0000e-	0.0142	3.7900e-	6.0000e-	3.8500e-003	0.0000	10.9588	10.9588	2.6000e-	2.7000e-	11.0459
	003	003		: :		005		003	005	: :				004	004	
Total	4.0900e-	2.4900e-	0.0349	1.2000e-004	0.0142	7.0000e-	0.0142	3.7900e-	6.0000e-	3.8500e-003	0.0000	10.9588	10.9588	2.6000e-	2.7000e-	11.0459
	003	003				005		003	005					004	004	

3.8 Building Construction (Apartment) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/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					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

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

3.8 Building Construction (Apartment) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	is/yr							МТ	/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
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

3.8 Building Construction (Apartment) - 2026 <u>Unmitigated Construction On-Site</u>

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	s/yr							МТ	/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.3040	1.7893	2.7624	0.0146	1.1644	0.0143	1.1787	0.3167	0.0135	0.3302	0.0000	1,402.5876	1,402.5876	0.0270	0.1201	1,439.0613

3.8 Building Construction (Apartment) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr				MT	/yr					
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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
iotai	0.0003	0.0100	1.0400	1.70000 000	0.0040	0.0040	0.0020	0.0020	0.0000	100.1410	100.1410	0.0004	0.0000	101.0000

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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					tor	ns/yr							МТ	/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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

3.9 Building Construction (For Sale) - 2025 <u>Unmitigated Construction On-Site</u>

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

	■ DOC I NO. I CO I COO I Franklin I Edward I DMOTabell Franklin I Edward IDMOTabell	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					tor	ns/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
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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
This do										novaPD		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-	0.9857	0.2610	4.0900e-	0.2651	0.0000	719.6044	719.6044	0.0172	0.0177	725.3206
						003			003							
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	0.3040	1.7893	2.7624	0.0146	1.1644	0.0143	1.1787	0.3167	0.0135	0.3302	0.0000	1,402.5876	1,402.5876	0.0270	0.1201	1,439.0613

3.9 Building Construction (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	0.2887	1.7683	2.6443	0.0142	1.2256	0.0140	1.2396	0.3317	0.0132	0.3450	0.0000	1,373.4850	1,373.4850	0.0255	0.1172	1,409.0593

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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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr							МТ	/yr		
Off-Road	0.1315	0.6715	4.5975	7.0400e-003		0.0206	0.0206		0.0206	0.0206	0.0000	605.3091		0.1423	0.0000	608.8663
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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
Total	0.2887	1.7683	2.6443	0.0142	1.1645	0.0140	1.1784	0.3167	0.0132	0.3299	0.0000	1,373.4850	1,373.4850	0.0255	0.1172	1,409.0593

3.9 Building Construction (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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

Mitigated 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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Off-Road	0.0652	0.6286		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/vr				MT.	/yr					
This do	cument	was cr	eated b	oy an a	pplicati	on that	isn't lic	ensed t	to use	<u>novaPD</u>	<u>F</u> .			·		

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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
Total	0.0225	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

Mitigated Construction Off-Site

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

3.10 Paving (For Sale) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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
Total	0.2548	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr				MT	/yr					
Off-Road This do	0.0732 cument			:5.9500e-003 : bv an ai			:9.7600e-003 : isn't lice			19.7600e-003 novaPD		522.5019	522.5019	0.1690	0.0000	526.7266

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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	0.0000
Total	0.0892	0.3172	4.5142	5.9500e-003		9.7600e-003		9.7600e-003	0.0000	522.5019	522.5019	0.1690	0.0000	526.7266
					003		003							

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	is/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	is/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 This do	3.9700e-		ootod k		oplicati	0.0000	0.0000 ion't lio	opood t	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

Total	0.0222	0.0790	1.1242	1.4800e-003	1.2	2.4300e-	2.4300e-003	2.4300e-	2.4300e-003	0.0000	130.1250	130.1250	0.0421	0.0000	131.1771
						003		003						1	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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-	0.1209	2.0000e-004		2.6000e-	2.6000e-004		2.6000e-	2.6000e-004	0.0000	16.8515	16.8515	9.5000e-	0.0000	16.8752
_ This dod	cument	was cr	eated l	by an a	pplication	on that	isn't lice	ensed t	o use	<u>novaPD</u>	<u>F</u>			004		

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	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

3.11 Arch Coating (Commercial) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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
Total	1.2357	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating	1.1911					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
Total	1.1989	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

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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					ton	is/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
Total	1.1316	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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
Total	1.0978	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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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

3.12 Arch Coating (Apartments) - 2024

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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

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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	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

3.12 Arch Coating (Apartments) - 2025

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	1.2357	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr				МТ	/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
Total	1.1989	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

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	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					tor	ns/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					ton	ıs/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
Total	1.1316	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					tor	ns/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
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/yr							МТ	/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
Total	1.0978	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/yr							MT.	/yr		
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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
				<u> </u>												J
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				:;											:	: J
Worker	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-	0.1710	0.0455		0.0462	0.0000	131.6510	131.6510			132.6968
				: :		004			004				:	003	003	
Total	0.0492	0.0299	0.4197	1.3800e-003	0.1702	8.1000e-	0.1710	0.0455	7.5000e-	0.0462	0.0000	131.6510	131.6510	3.1400e-	3.2500e-	132.6968
						004			004					003	003	

3.13 Arch Coating (For Sale) - 2026

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr							МТ	/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
Total	0.1551	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.1519	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/yr							МТ	/yr		
Hauling	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

Vendor	0.0000	0.0000	0.0000	0.0000	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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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-	2.8700e-	0.0404	1.3000e-004	0.0164	8.0000e-	0.0165	4.3800e		4.4500e-003	0.0000	12.6694	12.6694	3.0000e-	3.1000e-	12.7700
Total	4.7300e- 003	2.8700e- 003	0.0404	1.3000e-004	0.0164	005	0.0165	4.3800e- 003	7.0000e- 005	4.4500e-003	0.0000	12.0094	12.0094	3.0000e- 004	3.1000e- 004	12.7700

3.13 Arch Coating (For Sale) - 2027

Unmitigated Cons	struction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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
Total	1.7601	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/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		66.6398	66.6398	3.6400e- 003	0.0000	66.7307
Total	1.7232	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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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-	0.1867	0.0497	7.7000e-	0.0504	0.0000	140.7000	140.7000	3.1500e-	3.3700e-	141.7836
						004			004					003	003	
Total	0.0508	0.0299	0.4358	1.4700e-003	0.1859	8.4000e-	0.1867	0.0497	7.7000e-	0.0504	0.0000	140,7000	140,7000	3.1500e-	3.3700e-	141.7836
	0.0000	0.0200	000	1.47 000 000	0.1000	0.40006-	0.1007	0.0437	1.10006-	0.0304	0.0000	140.7000	140.7000	3.15000-	3.37000-	141.7030
	0.0000	0.0200	01.1000	1.47000 000	0.1000	004	0.1007	0.0431	004	0.0304	0.0000	140.7000	140.7000	003	003	141.7630

3.13 Arch Coating (For Sale) - 2028

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ıs/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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 This do		0.0116 Was cr								. 0.0210 novaPD		57.6178	57.6178	1.2100e- 003	1.3500e- 003	58.0498

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

004 004	i Otai	0.0110				0.0780	0.0207	3.0000e-	0.0210	0.0000	57.6178	57.6178	1.2100e-	1.3500e-	58.0498
				0.0770		0.0700	0.0207		0.0210	0.0000	57.5176	37.0170	003	003	30.0430
					004		1	004					003	003	i

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	<u>.</u>	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

	Ave	erage Daily Trip Rat	е	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	e %
Land Use	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	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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category		tons/yr											МТ	/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

<u> </u>	=		
Unmitigated	1		

	s Use	NOO	1101	00	002	PM10	PM10	T WTO TOLA	PM2.5	PM2.5	· mz.o rotar	5.0 002	11510 002	70101 002	0	20	0020
Land Use	kBTU/yr					tor	is/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)		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
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

Mitigated

	NaturalGa s 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					tor	ns/yr							M	Γ/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)		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 This do	3.99443e+ cumen		0.1841 reated	0.0783 bv an a	1.1700e- applicat		0.0149 t isn't lic	0.0149 censed		-	0.0149 DF .	0.0000	213.1581	213.1581	4.0900e-003	3.9100e- 003	214.4247

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T-1-1	_	0.4004	4 4004	0.0400	7.0000-	0.0000	0.0000	0.0000	0.0000	0.0000	4 047 0000	4 047 0000	0.0050	0.0040	4 005 4400
Total		0.1331	1.1831	0.8188	7.2600e-	0.0920	0.0920	0.0920	0.0920	0.0000	1,317.2882	1,317.2882	0.0253	0.0242	1,325.1162
					003										

5.3 Energy by Land Use - Electricity <u>Unmitigated</u>

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		МТ	/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)		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
Total		708.1080	0.1146	0.0139	715.1099

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		МП	√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)		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
Total		708.1080	0.1146	0.0139	715.1099

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	is/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	СО	SO2	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					tor	ns/yr							МТ	/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	СО	SO2	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					tor	ns/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		M	Г/уг	
Mitigated	55.4017	1.7530	0.0420	111.7408

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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/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/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)		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
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/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/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)		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

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

	MT/yr								
	102.4668	6.0556	0.0000	253.8571					
ĭ :	204.9336	12.1112	0.0000	507.7143					

8.2 Waste by Land Use <u>Unmitigated</u>

	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)		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
Total		204.9336	12.1112	0.0000	507.7143

Mitigated

	Waste Disposed	Total CO2	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
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
--	----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

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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 Ty
<u>Boilers</u>						
Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type	İ
User Defined Equipment						l
Equipment Type	Number					

11.0 Vegetation

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

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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

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)63Climate Zone4Operational Year2028

Utility Company Pacific Gas and Electric Company

 CO2 Intensity
 203.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City park proxy for parks

Construction Phase - Per constrcution timeline

Off-road Equipment - Equipment increased due to size

ff-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
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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

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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
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tblConstructionPhase	NumDays	1,550.00	697.00
tblConstructionPhase	NumDays	1,550.00	739.00
tblConstructionPhase	NumDays	1,550.00	1,044.00
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tblEnergyUse	NT24E	22.30	156.41
tblEnergyUse	NT24E	3.22	3.42
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tblEnergyUse	NT24E	6,155.97	12,642.76
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tblEnergyUse	NT24NG	3,155.00	0.00
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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
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
I	. ,		

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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
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	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	1.00	4.00
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	OffRoadEquipmentUnitAmount		
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tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
	PB_TP		
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tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
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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
	: 		
tbl/ehicle l rips	SU_IR	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
		21.10	
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
		112.18	
		8.36	
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		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 <u>Unmitigated Construction</u>

	ROG	NOx	СО	SO2	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								МТ	/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	10,485.873 4	10,485.873 4	1.6736	0.3953	10,645.520 7
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	10,485.873 4	10,485.873 4	1.8245	0.3953	10,645.520 7

Mitigated Construction

	ROG	NOx	СО	SO2	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					tor	ns/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	10,485.866 6	10,485.866 6	1.6736	0.3953	10,645.513 9
2026	9.4385	19.2502	28.3819	0.0752	3.5128	0.6721	4.1849	0.9534	0.6310	1.5845		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6,906.9995			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		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	0.0654	0.2184	0.0000		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	10,485.866 6	10,485.866 6	1.8245	0.3953	10,645.513 9

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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			40.5492		10.9579		11.0240	2.9277	0.0617			8,911.1874				9,052.4861
Waste						0.0000	0.0000		0.0000	0.0000	204.9336		204.9336	12.1112	0.0000	507.7143
Water						0.0000	0.0000		0.0000	0.0000		45.8552			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	10,305.675 6	10,531.867 5	15.0272	0.5109	11,059.798 4

Mitigated Operational

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

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Category					tor	ns/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	10,298.215 4	10,417.688 9	8.5337	0.5005	10,780.165 8

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Building Construction	1/1/2024	9/1/2026	5	697	
6		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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:			8.00	89	0.20
	Generator Sets	2	8.00	84	0.74
Building Construction (Commercial) F	Pavers	4	8.00	130	0.42
	Paving Equipment	4	8.00		0.36
	Rollers	4	8.00	80	0.38
	Fractors/Loaders/Backhoes	6	7.00	97	0.37
	Welders	1	8.00	46	0.45
	Air Compressors	2	6.00	; (0.48
	Pavers	- 4	8.00	<u>.</u>	0.42
	Paving Equipment		8.00		0.36
	Rollers		8.00	<u>.</u>	0.38
	Cranes	***************************************	7.00	; ç	0.30
, , , , , , , , , , , , , , , , , , , ,	Forklifts	ρ	8.00	·	0.20
	Generator Sets	2	8.00	<u>:</u>	0.74
Building Construction (Apartment) T	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction (Apartment) V	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		0.20
Building Construction (For Sale)	Generator Sets	2	8.00	84	0.74
` ' '	Tractors/Loaders/Backhoes	6	7.00	97	0.37
3	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
3 (1 1 1 1)	Rollers	4	8.00	80	0.38
Arch Coating (Commercial)	Air Compressors	2	6.00	78	0.48
Arch Coating (Apartments) A	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 (Transhipa)	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	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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Fugitive Dust					0.0292	0.0000	0.0292	4.4100e- 003		4.4100e-003		0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4425	4.1895				0.1945	0.1945		0.1810	0.1810	0.0000	662.8445	662.8445	0.1856	0.0000	667.4854
Total	0.4425	4.1895	3.8305	7.5700e- 003	0.0292	0.1945	0.2237	4.4100e- 003	0.1810	0.1854	0.0000	662.8445	662.8445	0.1856	0.0000	667.4854

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	0.2491	2.3175	2.1875	4.3100e- 003	0.0388	0.1066	0.1454	5.8800e- 003	0.0990	0.1049	0.0000	377.3561	377.3561	0.1056	0.0000	379.9956

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	4.4400e- 003	0.0263	0.0400	2.2000e- 004	0.0162	2.7000e- 004	0.0165	4.3400e- 003	2.5000e- 004	4.5900e-003	0.0000	20.4220	20.4220	5.0000e- 004	1.9000e- 003	20.9995

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Fugitive Dust					0.0100	0.0000	0.0166	2.5100e- 003		2.5100e-003		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		379.9951
Total	0.2491	2.3175	2.1875	4.3100e- 003	0.0166	0.1066	0.1232	2.5100e- 003	0.0990	0.1015	0.0000	377.3557	377.3557	0.1056	0.0000	379.9951

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Fugitive Dust					4.1465	0.0000	4.1465	2.0038	0.0000	2.0038	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
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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.5186	5.3672	3.5576	7.4200e- 003	1.7726	0.2469	2.0195	0.8566	0.2271	1.0838	0.0000	652.2878	652.2878	0.2110	0.0000	657.5619

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Off-Road	0.5242	5.3537	3.6121			0.2422	0.2422		0.2228	0.2228		659.1034				664.4326
Total	0.5242	5.3537	3.6121	7.5000e- 003	1.7881	0.2422	2.0303	0.8651	0.2228	1.0879	0.0000	659.1034	659.1034	0.2132	0.0000	664.4326

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	
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
Total	0.9727	10.3410	6.9672	0.0170	5.8270	0.4183	6.2453	1.6668	0.3848	2.0517	0.0000	1,494.6999	1,494.6999	0.4834	0.0000	1,506.7853

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.0164	0.2376	0.1606	1.3700e- 003	0.0681	2.1500e- 003	0.0702	0.0184	2.0500e- 003	0.0204	0.0000	131.8710	131.8710	3.0400e- 003	0.0169	136.9764

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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
Total	0.9727	10.3410	6.9672	0.0170	2.4911	0.4183	2.9094	0.7126	0.3848	1.0974	0.0000	1,494.6981	1,494.6981	0.4834	0.0000	1,506.7835

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		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
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
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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					tor	ns/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		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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
	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		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
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
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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Fugitive Dust					5.8632	0.0000	5.8632	1.6867	0.0000	1.6867		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			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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		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
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
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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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		2.9800e-003		9.1166	9.1166		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

3.5 Infrastructure (Trenching) - 2024 <u>Unmitigated Construction On-Site</u>

_																
	000	NO.	00	000	E-military	Full accept	DM40 T-4-1	E itibar	Full access	DMO F T-1-1	D:- 000	ND:- 000	T-1-1 000	0114	NIOO	000-
	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					DIAAA	D1440		D140 F	D140 F							
					PM10	PM10		PM2.5	PM2.5							
															1	

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Category					tor	ns/yr						МТ	/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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		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		9.5000e- 004	36.1487
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2		Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tons/y	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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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			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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		

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Off-Road	0.3569	3.2546	4.1981	7.0400e-	0.1377	0.1377	 0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
				003										
Total	0.3569	3.2546	4.1981	7.0400e-	0.1377	0.1377	0.1295	0.1295	0.0000	605.3098	605.3098	0.1423	0.0000	608.8670
				003										

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	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
Total	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

3.5 Infrastructure (Trenching) - 2026 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Off-Road				4.6900e- 003			0.0918		0.0864	0.0864						405.9113

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Total	0.2379	2.1697	2.7987	4.6900e-	0.0918	0.0918	0.0864	0.0864	0.0000	403.5399	403.5399	0.0949	0.0000	405.9113
iotai	0.2313	2.1037	2.7307		0.0310	0.0310	0.0004	0.0004	0.0000	403.3333	403.3333	0.0343	0.0000	403.3113
				002										
				003										
1														

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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			2.4000e- 004	0.0310	1.4000e- 004		8.2300e- 003		8.3600e-003		22.7005		5.4000e- 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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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		7.9700e-003		22.7005	22.7005		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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Off-Road	0.6136	5.8368	7.8497	0.0127		0.2772	0.2772		0.2579	0.2579	0.0000				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

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Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		003		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			763.9418
Total	0.3414	1.8385	3.0788	0.0154	1.1689	0.0148	1.1837	0.3179	0.0140	0.3319	0.0000	1,468.5117	1,468.5117	0.0306	0.1266	1,507.0124

3.6 Building Construction (Commercial) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	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

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Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		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		742.5397
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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		736.4765				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

3.6 Building Construction (Commercial) - 2026

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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
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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Hauling	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		1.5294	5.0300e- 003	0.6542	2.9600e- 003	0.6571	0.1740	2.7300e- 003		0.0000	479.7363	479.7363	0.0115		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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		4.7000e- 003		003	0.1626		6.2900e- 003	0.0517		455.3221		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

3.7 Paving (Commercial) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Off-Road	0.2046	1.0001	2.0700	4.5100e- 003		0.0927	0.0927		0.0861	0.0861	0.0000	395.1462				398.0428
Paving	7.7100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.2123	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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Hauling	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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		6.5500e-003		18.6196	18.6196			18.7795
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.2123	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Off-Road	0.2835	2.5388	4.2770	6.7300e- 003		0.1227	0.1227		0.1139	0.1139		589.1425				
Paving	0.0115					0.0000	0.0000			0.0000			0.0000			0.0000
Total	0.2950	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

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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
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker		6.6000e- 003	0.0893	2.9000e- 004	0.0361	1.7000e- 004		9.6100e- 003		9.7600e-003		27.1048			6.9000e- 004	
Total	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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Total	0.2950	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		6.6000e- 003		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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr				MT.	/yr					
Off-Road	0.1173	1.0000		2.7800e- 003		0.0000	0.0508		0.0472	****		243.7831				245.5689
	4.7600e- 003					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	243.7831	243.7831	0.0714	0.0000	245.5689

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Hauling	0.0000	0.0000	0.0000				0.0000			0.0000	0.0000		0.0000			0.0000
Vendor	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker		2.4900e- 003	0.0349	1.2000e- 004	0.0149	7.0000e- 005		3.9800e- 003	6.0000e- 005	4.0400e-003	0.0000	10.9588	10.9588		2.7000e- 004	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		439.4283				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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		1.5052	4.7000e- 003		2.8400e- 003	0.5447	0.1448	2.6100e- 003	0.1474		439.4283				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 <u>Unmitigated Construction On-Site</u>

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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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			7.1800e- 003		9.9100e- 003			9.4800e- 003	0.0802		695.7412		003		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		742.5397
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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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					to	ns/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		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		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

3.8 Building Construction (Apartment) - 2026 <u>Unmitigated Construction On-Site</u>

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

_	_																
I		ROG	NOx	СО	SO2	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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Category					tor	ns/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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Total	0.3040	1.7893	2.7624	0.0146	1.1644	0.0143	1.1787	0.3167	0.0135	0.3302	0.0000	1,402.5876	1,402.5876	0.0270	0.1201	1,439.0613

3.8 Building Construction (Apartment) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT/	yr		

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Worker	003 0.0633	0.0373	0.5433	003 1.8300e- 003	0.2444	003 1.0400e- 003	0.2454	0.0650	003 9.6000e- 004	0.0660	0.0000	175.3855	175.3855	003 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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ıs/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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		2.4400e- 003	0.0607	0.0170	2.3300e- 003	0.0193	0.0000		166.6701	003		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		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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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

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Worker	0.1767	0.1158	1.5052	4.7000e-	0.5715	2.8400e-	0.5743	0.1520	2.6100e-	0.1546	0.0000	439.4283	439.4283	0.0120	0.0117	443.2029
				003		003			003							
Total	0.1981	1.0666	1.7862	8.9600e-	0.7138	8.6100e-	0.7224	0.1932	8.1300e-	0.2013	0.0000	851.9610	851.9610	0.0177	0.0735	874.2973
				003		003			003							

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/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					tor	ns/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	003		431.0944
	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			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

3.9 Building Construction (For Sale) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/yr							МТ	/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
				7.7900e- 003		4.6600e- 003			003	0.2653				0.0188		742.5397

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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

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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					tor	ns/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		695.7412		003		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		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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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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Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		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			725.3206
Total	0.3040	1.7893	2.7624	0.0146	1.1644	0.0143	1.1787	0.3167	0.0135	0.3302	0.0000	1,402.5876	1,402.5876	0.0270	0.1201	1,439.0613

3.9 Building Construction (For Sale) - 2027 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/yr							МТ	/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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		4.1900e- 003	0.9855	0.2610	3.8600e- 003	0.2649		704.2403				709.6642
Total	0.2887	1.7683	2.6443	0.0142	1.2256	0.0140	1.2396	0.3317	0.0132	0.3450	0.0000	1,373.4850	1,373.4850	0.0255	0.1172	1,409.0593

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Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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					to	ns/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
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		709.6642
Total	0.2887	1.7683	2.6443	0.0142	1.1645	0.0140	1.1784	0.3167	0.0132	0.3299	0.0000	1,373.4850	1,373.4850	0.0255	0.1172	1,409.0593

3.9 Building Construction (For Sale) - 2028 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	ns/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
Total	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		0.1916	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		288.3921				
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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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	is/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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			
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					tor	ns/yr							MT.	/yr		
Off-Road		0.6286	•	1.5100e- 003		0.0309			0.0285	0.0285		•				133.2438
	4.0300e- 003						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
	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	
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Off-Road				1.5100e- 003		0.0309	0.0309		0.0285			132.1750			•	•
	4.0300e- 003					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	132.1750	132.1750	0.0428	0.0000	133.2437

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
	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			0.0404	6.0191		1.6000e- 004	
Total	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

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					tor	ns/yr							MT.	/yr		
Off-Road	0.2000	2.2398		5.9500e- 003		0.1092	0.1092		0.1005	0.1005		522.5026				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
Total	0.2548	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Worker		5.6500e- 003	0.0766	2.5000e- 004	0.0310	1.5000e- 004	0.0311	8.2300e- 003		8.3700e-003		23.2327	23.2327			23.4240
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Off-Road				5.9500e- 003		*****	0.1092			0.1005		•			•	•
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000
Total	0.2548	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
	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					5.9000e- 004	
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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Off-Road	0.0000	0.5578	0.9476	1.4800e- 003		0.0272	0.0272		0.0250	0.0250		130.1252				131.1773
Paving	3.9700e- 003					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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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			2.0500e- 003		2.0800e-003		5.6534	5.6534	4 0000-	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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Off-Road			0.9476	003			0.0272		0.0250	0.0250		130.1250			•	
	3.9700e- 003					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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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	4 0 400 -		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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating		:					0.0000			0.0000						0.0000
Off-Road		0.0804	0.1195	2.0000e- 004		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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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	4 0 400 -	1.0100e- 003	38.4482
Total	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

3.11 Arch Coating (Commercial) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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		66.7308
Total	3.5727	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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	3.7500e- 003	3.7500e- 003	148.3518
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating		•					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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		0.4848		0.1859	9.3000e- 004			8.6000e- 004			147.1404				
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
Worker	0.0492	0.0299	0.4197	1.3800e- 003		8.1000e- 004	0.1803	0.0478	7.5000e- 004	0.0485		131.6510				132.6968
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating	3.2307					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
Total	3.2716	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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

3.12 Arch Coating (Apartments) - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating						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

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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating		:					0.0000			0.0000						0.0000
Off-Road		0.0804	0.1195	2.0000e- 004		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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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	4 0 400 -	1.0100e- 003	38.4482
Total	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

3.12 Arch Coating (Apartments) - 2025 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
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		66.7308
Total	3.5727	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					to	ns/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
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		3.7500e- 003	148.3518
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						0.0000				0.0000						
Off-Road	0.0446	0.2990		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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		0.4848		0.1859	9.3000e- 004			8.6000e- 004			147.1404				
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Archit. Coating						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
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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Worker	0.0492	0.0299	0.4197	1.3800e- 003	0.1795	8.1000e- 004	0.1803	0.0478	7.5000e- 004	0.0485		131.6510				132.6968
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating		•					0.0000			0.0000						0.0000
Off-Road	0.0408		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
Total	3.2716	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

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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		4.6700e-003		12.6694	12.6694		3.1000e- 004	12.7700
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating						0.0000				0.0000						
Off-Road	3.9300e- 003		0.0416	7.0000e- 005		1.1800e- 003	1.1800e-003		1.1800e- 003	1.1800e-003	0.0000		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
	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		12.6694			3.1000e- 004	
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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Archit. Coating	5.0812					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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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			141.7836
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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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						0.0000				0.0000						
Off-Road	0.0446	0.2990		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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/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 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							МТ	/yr		
Archit. Coating						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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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
Worker	0.0200	0.0116	0.1741	6.0000e- 004	0.0819	3.3000e- 004	0.0822	0.0218	3.0000e- 004	0.0221			57.6178	4 0400 -		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

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT.	/yr		
Archit. Coating		:					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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					toi	ns/yr							МТ	/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			9,052.4861
	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

	Ave	erage Daily Trip Ra	te	Unmitigated	Mitigated
Land Use	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

		Miles			Trip %			Trip Purpos	e %
Land Use	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

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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	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	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	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					tor	ns/yr							MT	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,340.7070	1,340.7070	0.2169	0.0263	1,353.9643
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000		1,340.7070				1,353.9643
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	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

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	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					tor	ns/yr							МТ	/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	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
High Turnover (Sit Down Restaurant)		0.0000	0.0000	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

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Total		0.0000	0.0000	0.0000	0.0000	:	0.0000	0.0000	<u> </u>	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
Center		<u>.</u>							<u> </u>								
Regional Shopping	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

Mitigated

	NaturalGa s 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					tor	ns/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		0.0000	0.0000	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	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
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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		МТ	√yr	
Apartments Mid Rise	2.78268e+ 006	257.4638	0.0417	5.0500e- 003	260.0097
City Park	0				
Condo/Townhouse	1.0312e+0 06	95.4105	0.0154	1.8700e- 003	96.3539
Fast Food Restaurant w/o		184.6182	0.0299	3.6200e- 003	186.4438
High Turnover (Sit Down Restaurant)	006			003	
Hotel	1.54493e+ 006	142.9426	0.0231	2.8000e- 003	144.3560
Parking Lot	284480	26.3212		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+00 6	198.7412	0.0322	3.9000e- 003	200.7064
Total		1,340.7070	0.2169	0.0263	1,353.9643

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	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		M	Г/уг	
Apartments Mid Rise	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+0 06	95.4105	0.0154	1.8700e- 003	96.3539
Fast Food Restaurant w/o		184.6182	0.0299	3.6200e- 003	186.4438
High Turnover (Sit Down Restaurant)		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+00 6	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	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	Category tons/yr									МТ	/yr					
Mitigated	5.5164	0.0557		2.6000e- 004		0.0268	0.0268		0.0268	0.0268	0.0000	7.9260	7.9260	7.6600e- 003		8.1175
Unmitigated	5.5164	0.0557		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	СО	SO2	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	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	СО	SO2	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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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
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		М	√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		МТ	/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)		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
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

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	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)		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
		M	T/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		МТ	/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)		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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Total	204.9336	12.1112	0.0000	507.7143

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		МТ	/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)		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
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

10.0 Stationary Equipment

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	ļ

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction -	Unmitigated

Construction - Unmitigated						
	PM _{2.5} Exhaust Ons	ite				
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
Const Duration (Days):	198	250	250	250	250	108
			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 _{2.5} Exhaust Off-	Site				
	Tons/Year	g/s	g/s per mile	Weighted Average O	ff-Site Rate	
2023	2.69E-03	0.000428	2.13974E-05	3.12E-04		
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			
		Length	Emissions	Emission Rate		
Construction Route	Length (meters)	(Miles)	(g/sec per mile)	(g/sec)		
Tassajara Blvd	1348.7	0.84	3.12E-04	2.61E-04		

Total 1306

On-Site Construction Emissions Off-Site Construction Emissions

		tons/yr			tons/yr
Year	Phase	Exhaust PM _{2.5}	Year	Phase	Exhaust PM _{2.5}
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

Construction - Mitigated						
	PM _{2.5} Exhaust Onsit	e				
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
Const Duration (Days):	198	250	250	250	250	108
			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 _{2.5} Exhaust Off-Si	te				
	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 Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)		

Total 1306

		(Miles)	(g/sec per mile)	(g/sec)
Tassajara Blvd	1348.7	0.84	3.13E-04	2.62E-04

Year Phase Eshaust PM₂₂ some some some some some some some some		On-Site Construction Emissions	. ,		Off-Site Construction Emissions	. ,
Demolition			tons/yr			tons/yr
2023 Site Preparation 1.00-14 2023 Site Preparation 1.00-04 Grading 2.051-03 Grading 2.051-03 Grading 2.051-03 Confede 2.051-03						
2023 Grading 0.0278 2023 Grading 2.05E-03						
2023		·			·	
Total		9			9	
Demolition Caster 2023	, 0,		2023			
2024 Site Preparation 1.2E-0.2 2024 Site Preparation 1.20E-04 Grading 3.74E-02 2024 Grading 2.77E-03 2024 Infrastructure (Trenching) 0.0224 2024		Total	0.05794		Total	0.00269
2024 Grading 3.74E-02 2024 Grading 2.77E-03 2024 Infrastructure (Trenching) 0.0224 2024 Infrastructure (Trenching) 0.0259 2024 Building Construction (Commercial) 1.40E-02 2024 Paving (Commercial) 7.42E-03 2024 Paving (Commercial) 1.10E-04 2024 Paving (Commercial) 1.10E-04 2024 Paving (Comstruction (Apartment) 0.013 2024 Paving (Construction (Apartment) 8.13E-03 2024 Paving (Construction (For Sale) 0.013 2024 Building Construction (For Sale) 0.013 2024 Paving (For Sale) 0.013 2024 Paving (For Sale) 0.013 2024 Paving (For Sale) 0.013 2024 Paving (For Sale) 0.013 2024 Paving (For Sale) 0.016 2024 Arch Coating (Commercial) 2.60E-04 2024 Arch Coating (Commercial) 2.20E-04 2024 Arch Coating (Apartments) 2.60E-04 2024 Arch Coating (Apartments) 2.30E-04 2024 Arch Coating (Apartments) 2.30E-04 2025 Arch Coating (Apartments) 2.30E-04 2025 Arch Coating (Apartment) 0.0266 2025 Infrastructure (Trenching) 2.00E-03 2025 2025 Building Construction (Commercial) 0.025 2025 Building Construction (Commercial) 0.025 2025 Building Construction (Apartment) 0.026 2025 Building Construction (For Sale) 1.38E-02 2025 Arch Coating (Apartments) 1.03E-03 2025 Arch Coating (Apartments) 3.0E-04 2026 Building Construction (Apartment) 0.0457 2026 Building Construction (Apartment) 0.0457 2026 Building Construction (Apartment) 0.0457 2026 Building Construction (Apartment) 0.0260 2026 Building Construction (Apartment) 0.0260 2026 Building Constructi						
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2025 Arch Coating (Commercial) 1.03E-03 2025 Arch Coating (Commercial) 8.60E-04	2025	Building Construction (For Sale)	0.0206	2025	Building Construction (For Sale)	1.38E-02
2025 Arch Coating (Apartments) 1.03E-03 Total 0.13772 Total 0.13772 Total 0.0457		Paving (For Sale)			Paving (For Sale)	
Total 0.13772 Total 0.0457					= :	
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2026 Paving (For Sale) 2.43E-03 2026 Paving (For Sale) 3.00E-05 2026 Arch Coating (Commercial) 9.50E-04 2026 Arch Coating (Commercial) 7.50E-04 2026 Arch Coating (Apartments) 9.50E-04 2026 Arch Coating (Apartments) 7.50E-04 2026 Arch Coating (For Sale) 9.00E-05 2026 Arch Coating (For Sale) 7.00E-05 Total 0.08049 Total 3.78E-02 Total 3.78E-02 2027 Building Construction (Apartment) 5.12E-03 2027 Building Construction (Apartment) 3.29E-03 2027 Building Construction (For Sale) 0.0206 2027 Building Construction (For Sale) 1.32E-02 2027 Arch Coating (For Sale) 1.03E-03 2027 Arch Coating (For Sale) 7.70E-04 Total 0.02675 Total 1.73E-02 2028 Building Construction (For Sale) 8.58E-03 2028 Building Construction (For Sale) 5.40E-03 2028 Arch Coating (For Sale) 4.30E-04 2028 Arch	2026	Building Construction (Apartment)	0.0206	2026	Building Construction (Apartment)	1.35E-02
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Total 0.08049 Total 3.78E-02 2027 Building Construction (Apartment) 5.12E-03 2027 Building Construction (Apartment) 3.29E-03 2027 Building Construction (For Sale) 0.0206 2027 Building Construction (For Sale) 1.32E-02 2027 Arch Coating (For Sale) 1.03E-03 2027 Arch Coating (For Sale) 7.70E-04 Total 0.02675 Total 1.73E-02 2028 Building Construction (For Sale) 8.58E-03 2028 Building Construction (For Sale) 5.40E-03 2028 Arch Coating (For Sale) 4.30E-04 2028 Arch Coating (For Sale) 3.00E-04		= : :				
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2027 Arch Coating (For Sale) 1.03E-03 2027 Arch Coating (For Sale) 7.70E-04 2028 Building Construction (For Sale) 8.58E-03 2028 Building Construction (For Sale) 5.40E-03 2028 Arch Coating (For Sale) 4.30E-04 2028 Arch Coating (For Sale) 3.00E-04	2027	Building Construction (Apartment)	5.12E-03	2027	Building Construction (Apartment)	3.29E-03
Total 0.02675 Total 1.73E-02 2028 Building Construction (For Sale) 8.58E-03 2028 Building Construction (For Sale) 5.40E-03 2028 Arch Coating (For Sale) 4.30E-04 2028 Arch Coating (For Sale) 3.00E-04	2027	Building Construction (For Sale)	0.0206	2027	Building Construction (For Sale)	1.32E-02
2028 Building Construction (For Sale) 8.58E-03 2028 Building Construction (For Sale) 5.40E-03 2028 Arch Coating (For Sale) 4.30E-04 2028 Arch Coating (For Sale) 3.00E-04	2027	Arch Coating (For Sale)	1.03E-03	2027	Arch Coating (For Sale)	7.70E-04
2028 Arch Coating (For Sale) 4.30E-04 2028 Arch Coating (For Sale) 3.00E-04		Total	0.02675		Total	1.73E-02
(, -, -, -, -, -, -, -, -, -, -, -, -, -,	2028	Building Construction (For Sale)	8.58E-03	2028	Building Construction (For Sale)	5.40E-03
Total 0.00901 Total 5.70E-03	2028	Arch Coating (For Sale)	4.30E-04	2028	Arch Coating (For Sale)	3.00E-04
		Total	0.00901		Total	5.70E-03

Construction (Unmitigated)

	μg/m³				
	1 hr		24 hr	Period	
Project (resident)	=	4.91E+00	5.87E-01	1.10E-01	

HARP 2 Risk Summary

INDEX POLID

1 9901 Diesel ExhPM

2 107028 Acrolein

	Cancer	Per 1 million	Chronic	Acute	
CONC	INH_RISK			CONC	
1.10E-01	4.43E-05	44.32	2.20E-02		
0.00E+00	0.00E+00		0.00E+00	4.91E+00	1.96E+00

Construction (Mitigated)

		μg/m³			
	1 hr		24 hr	Period	
Project (resident)		5.14E-01	5.95E-02	1.11E-02	

HARP 2 Risk Summary

INDEX POLID

1 9901 Diesel ExhPM

2 107028 Acrolein

	Cancer	Per 1 million	Chronic	Acute	
CONC	INH_RISK		RESP	CONC	RESP
1.11E-02	4.47E-06	4.47	2.22E-03	5.14E-01	0.00E+00
0.00E+00	0.00E+00		0.00E+00	5.14E-01	2.06E-01