

Altria Environmental Data Supplement

Metrics	Unit	2020	2019	2018	2017	Target
Scope 1 (direct) emissions	tonnes CO2e	139,868	154,507	162,162	167,720	Reduce absolute Scope 1 & Scope 2 emissions by 55% by 2030 vs. 2017 Progress by 2020: 16.6 % reduction
Normalized Scope 1 emissions	tonnes CO2e/MM\$ revenue	5.35	6.15	6.39	6.56	
Scope 1 emissions by business division						
Altria Group Distribution Company	tonnes CO2e	10,333	17,076	19,422	20,779	
Altria Client Services	tonnes CO2e	10,862	14,924	14,001	12,839	
John Middleton	tonnes CO2e	3,042	3,110	3,424	3,885	
Nat Sherman	tonnes CO2e	13.9	25.7	24.21	22.25	
Nu Mark	tonnes CO2e	0	0	0	0	
Philip Morris USA	tonnes CO2e	85,258	93,063	99,701	102,659	
Ste. Michelle Wine Estates	tonnes CO2e	14,114	7,557	6,508	6,376	
U.S. Smokeless Tobacco Co.	tonnes CO2e	16,238	18,744	18,921	21,141	
Other	tonnes CO2e	6.94	7.33	161.8	17	
Scope 2 (indirect) emissions-market-based	tonnes CO2e	141,100	147,909	167,120	169,287	
Normalized Scope 2 emissions-market-based	tonnes CO2e/MM\$ revenue	5.40	5.89	6.59	6.62	
Scope 2 emissions by business division-market-based						
Altria Group Distribution Company	tonnes CO2e	161.9	187.9	934.2	896.8	
Altria Client Services	tonnes CO2e	9,278	9,400	12,236	11,863	
John Middleton	tonnes CO2e	1,938	1,998	2,760	3,966	
Nat Sherman	tonnes CO2e	182.1	333.7	413.5	397.6	
Nu Mark	tonnes CO2e	0	6.8	71.6	67.6	
Philip Morris USA	tonnes CO2e	84,602	93,339	103,051	101,268	
Ste. Michelle Wine Estates	tonnes CO2e	21,867	17,528	16,918	14,551	
U.S. Smokeless Tobacco Co.	tonnes CO2e	23,071	25,115	30,736	36,277	
Other	tonnes CO2e	0	-	-	-	
Scope 3 (indirect) emissions		5,189,893	5,227,733	5,078,448	5,264,365	Reduce absolute Scope 3 emissions by 18% by 2030 vs. 2017 Progress by 2020: 1.4 % reduction
Purchased goods and services	tonnes CO2e	1,680,841	1,297,850	1,344,729	1,402,570	
Capital goods	tonnes CO2e	26,999	6,713	11,515	11,934	
Fuel and energy related activities	tonnes CO2e	96,877	96,806	98,424	103,063	
Upstream transportation/distribution	tonnes CO2e	230,858	278,393	225,799	235,413	
Waste generated in operations	tonnes CO2e	21,661	27,853	4,929	5,111	
Business travel	tonnes CO2e	2,546	14,102	20,286	15,298	
Employee commuting	tonnes CO2e	6,188	11,373	17,436	18,112	
Downstream transportation/distribution	tonnes CO2e	200,860	199,307	148,000	151,736	
End-of-life treatment of sold products	tonnes CO2e	64,723	67,173	80,439	84,728	
Investments	tonnes CO2e	2,858,340	3,228,163	3,126,891	3,236,400	
Water Use	millions of gallons	2,695	2,367	2,759	2,192	Achieve 100% water neutrality Progress in 2020: 53.4 % water neutrality
Normalized Water Use	MM gallons/MM\$ revenue	0.1030	0.0943	0.1088	0.0857	
Water Use by Business Division						
Altria Group Distribution Company	millions of gallons	1.24	1.24	6.66	3.49	
Altria Client Services	millions of gallons	51.8	50.5	61.5	65.1	
John Middleton	millions of gallons	6.36	6.25	6.65	7.55	
Nat Sherman	millions of gallons	0.081	0.2	0.19	0.18	
Nu Mark	millions of gallons	0	0.01	0.08	0.09	
Philip Morris USA	millions of gallons	477.6	542.6	631.8	586.6	
Ste. Michelle Wine Estates	millions of gallons	2,123	1,725	2,030	1,502	
U.S. Smokeless Tobacco Co.	millions of gallons	34.6	41.7	22.7	27.75	
Other	millions of gallons	---	-	-	-	
Water use from high water stressed regions	percentage	38.22%	13.80%	10.60%	5.10%	
Water recycled/reused	percentage			0.16%	0.21%	
Wastewater discharge	millions of gallons	421	437	459	521	
Normalized wastewater discharge	MM gallons/MM\$ revenue	0.0161	0.0174	0.0181	0.0204	
Wastewater discharge by business division						
Altria Group Distribution Company	millions of gallons	0.85	1.72	6.68	2.91	
Altria Client Services	millions of gallons	42.00	46.00	48.20	52.5	
John Middleton	millions of gallons	6.36	6.25	6.63	7.55	
Nat Sherman	millions of gallons	0.08	0.20	0.19	0.18	
Nu Mark	millions of gallons	0.00	0.01	0.06	0.09	
Philip Morris USA	millions of gallons	330.40	334.80	366.90	423.2	
Ste. Michelle Wine Estates	millions of gallons	11.50	15.20	12.20	13.10	
U.S. Smokeless Tobacco Co.	millions of gallons	28.80	32.70	18.40	21.79	
Other	millions of gallons	---	-	-	-	
Energy Use	billions of btus	3,873	4,064	4,268	4,364	Achieve 100% renewable electricity
Normalized energy use	billion btus/MM\$ revenue	0.1481	0.1618	0.1683	0.1706	

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Energy Use by business division						by 2030
Altria Group Distribution Company	billions of btus	150.3	246.0	284.0	303.1	Progress by 2020: 2.2 % renewable electricity
Altria Client Services	billions of btus	292.7	343.0	374.2	351.2	
John Middleton	billions of btus	74.5	79.7	90.5	110.3	
Nat Sherman	billions of btus	2.4	4.0	4.5	4.42	
Nu Mark	billions of btus	0.0	0.1	0.5	0.5	
Philip Morris USA	billions of btus	2,421	2,560	2,684	2,711	
Ste. Michelle Wine Estates	billions of btus	460.8	331.9	304.6	274.7	
U.S. Smokeless Tobacco Co.	billions of btus	471.3	499.6	525.6	608.4	
Other	billions of btus	0.10	0.10	0.20	0.24	
Energy from renewables	percentage	0.87%	0.81%	0.77%	0.73%	
Energy from renewables	billions of btus	33.8	32.9	33	31.9	
Non-renewable energy	percentage	99.1%	99.2%	99.2%	99.3%	
Non-renewable energy	billions of btus	3,839	4,031	4,235	4,332	
Electrical power use	billions of btus	1,504	1,477	1,530	1,533	
Normalized electrical power use	billion btus/MM\$ revenue	0.0575	0.0588	0.0603	0.0599	
Electrical power use from non-renewables	percentage	97.8%	97.7%	97.8%	97.9%	
Electrical power use from renewables	percentage	2.2%	2.3%	2.2%	2.1%	
Electrical power use from non-renewables	billions of btus	1,471	1,444	1,497	1,501	
Electrical power use from renewables	billions of btus	33.8	32.9	33	31.9	
Renewable electrical power use – by source						
Wind	billions of btus	33.8	32.9	33	31.9	
Waste generated	millions of lbs.	381.6	425.1	82.2	91.3	Reduce waste sent to landfill by 25% by 2030 vs. 2017
Non-hazardous waste generated	millions of lbs.	380.7	424.8	81.9	91	
Waste recycled	percentage	79.2%	79.6%	74.4%	69.4%	
Waste incinerated	percentage	- %	<1%	<1%	<1%	
Waste landfilled	percentage	20.8%	20.4%	25.6%	30.6%	
Hazardous waste generated	short tons	474.2	158.8	165.6	147.3	
Normalized hazardous waste	short tons/MM\$ revenue	0.0181	0.0063	0.0065	0.0058	
Hazardous waste by business division						
Altria Group Distribution Company	short tons	0	0	0	0.18	
Altria Client Services	short tons	63	50.9	31.9	24.3	
John Middleton	short tons	1.21	1.18	3.99	3.45	Progress by 2020: 185.1 % increase*
Nat Sherman	short tons	---	-	-	-	
Nu Mark	short tons	0.003	0	12.6	8.68	
Philip Morris USA	short tons	44.7	57.2	55.6	55.8	
Ste. Michelle Wine Estates	short tons	2.75	4.72	0.98	1.17	
U.S. Smokeless Tobacco Co.	short tons	215.9	4.49	10.6	14.02	
Other	short tons	146.6	40.4	49.9	39.6	

Environmental Notes

Major reported data elements have been assured by a third party – see our ERM CVS Assurance Statement for details

- Stormwater is not included in wastewater.
- Water-stressed areas in 2020 include SMWE locations Canoe Ridge, Cold Creek, Col Solare, Snoqualmie/14 Hands, Northstar and Walla Walla, and Grandview. 2017-2019 water-stressed areas were Napa/Sonoma, CA.

Coverage of facilities:

Prior to 2019, data does not include Green Smoke’s facilities in Israel (Nu Mark/Green Smoke operations ceased in 2019)

GHG factors:

- GHG Emission Factors for various combustion fuels based on EPA Climate Leaders document (last modified March 2020). Latest EPA GHG Emissions Factors Hub was released 03/26/2020.
- GWP Factors for the GHG pollutants based on IPCC FIFTH ASSESSMENT REPORT (AR5); Table 8.A.1. (GWP 100-yr). Revised factors effective 1/1/2015.
- GHG Emission Factors for Purchased Electricity with newest EPA eGRID factors. 2020 used eGRID2019 (2/23/2020); 2019 uses eGRID2018 (1/28/2020). 2017 and 2018 uses eGRID2016.

Scope 3 methodology:

Business travel is calculated based on emission factors and miles traveled for purchased air travel and rental cars.

All other Scope 3 categories were calculated using a hybrid life cycle assessment approach for spend data over the reporting period. All values represent cradle-to-gate emissions across all GHG emissions identified in the GHG Protocol Value Chain Standard and GWP values from the IPCC Fifth Assessment Report. Scope 3 emissions are estimated in 2018 using shipment volumes.