

Altria Environmental Data Supplement

Data Topic	Unit	2018	2017	2016	Target	
Scope 1 (direct) emissions	tonnes CO ₂ e	162,139	167,695	170,442	Reduce absolute Scope 1 & Scope 2 emissions by 20% by 2025 vs. 2015	
Normalized Scope 1 emissions	tonnes CO ₂ e/MM\$ revenue	6.39	6.56	6.62		
Scope 1 emissions by business division						
Altria Group Distribution Company	tonnes CO ₂ e	19,422	20,779	22,182		
Altria Client Services	tonnes CO ₂ e	14,001	12,839	13,213		
John Middleton	tonnes CO ₂ e	3,424	3,885	3,472		
Philip Morris USA	tonnes CO ₂ e	99,701	102,659	107,332		
Ste. Michelle Wine Estates	tonnes CO ₂ e	6,508	6,376	5,939		
U.S. Smokeless Tobacco Co.	tonnes CO ₂ e	18,921	21,141	18,299		
Nu Mark	tonnes CO ₂ e	0	0	0		
Other	tonnes CO ₂ e	161.8	17	5.8		
Scope 2 (indirect) emissions	tonnes CO ₂ e	170,119	172,312	210,416	Reduce absolute Scope 3 emissions by 15% by 2030 vs. 2017	
Normalized Scope 2 emissions	tonnes CO ₂ e/MM\$ revenue	6.71	6.74	8.17		
Scope 2 emissions by business division						
Altria Group Distribution Company	tonnes CO ₂ e	934.2	897	1,328		
Altria Client Services	tonnes CO ₂ e	15,323	14,950	18,175		
John Middleton	tonnes CO ₂ e	2,760	3,966	4,438		
Philip Morris USA	tonnes CO ₂ e	103,051	101,268	116,626		
Ste. Michelle Wine Estates	tonnes CO ₂ e	17,244	14,886	23,727		
U.S. Smokeless Tobacco Co.	tonnes CO ₂ e	30,736	36,277	46,056		
Nu Mark	tonnes CO ₂ e	71.6	68	66.5		
Other	tonnes CO ₂ e	-	-	-		
Scope 3 (indirect) emissions						
Purchased goods and services	tonnes CO ₂ e	1,345,000	1,402,000	n/a	Achieve 50% water neutrality	
Capital goods	tonnes CO ₂ e	12,000	12,000	n/a		
Fuel and energy related activities	tonnes CO ₂ e	98,000	103,000	n/a		
Upstream transportation/distribution	tonnes CO ₂ e	226,000	235,000	n/a		
Waste generated in operations	tonnes CO ₂ e	5,000	5,000	n/a		
Business travel	tonnes CO ₂ e	20,286	15,298	10,951		
Employee commuting	tonnes CO ₂ e	17,000	18,000	n/a		
Downstream transportation/distribution	tonnes CO ₂ e	148,000	152,000	n/a		
End-of-life treatment of sold products	tonnes CO ₂ e	80,000	85,000	n/a		
Water use						
Water use	millions of gallons	2,759	2,192	2,489	Achieve 50% water neutrality	
Normalized water use	MM gallons/MM\$ revenue	0.1088	0.0857	0.0967		
Water use by business division						
Altria Group Distribution Company	millions of gallons	6.66	3.49	4.74		
Altria Client Services	millions of gallons	61.5	65.1	71.4		
John Middleton	millions of gallons	6.65	7.55	7.7		
Philip Morris USA	millions of gallons	631.8	586.6	581.0		
Ste. Michelle Wine Estates	millions of gallons	2,030	1,502	1,784		
U.S. Smokeless Tobacco Co.	millions of gallons	22.7	27.75	40.2		
Nu Mark	millions of gallons	0.08	0.09	0.1		
Other	millions of gallons	-	-	-		
Water use from high water stressed regions	percentage	0.34%	0.11%	n/a		
Water recycled/reused	percentage		0.21%	0.09%		
Wastewater discharge	millions of gallons	459.2	521.1	693.1		
Normalized wastewater discharge	MM gallons/MM\$ revenue	0.0181	0.0204	0.0269		
Wastewater discharge by business division						
Altria Group Distribution Company	millions of gallons	6.68	2.91	2.85		

Data Topic	Unit	2018	2017	2016	Target
Altria Client Services	millions of gallons	48.2	52.5	53.7	
John Middleton	millions of gallons	6.63	7.55	7.7	
Philip Morris USA	millions of gallons	366.9	423.2	584.8	
Ste. Michelle Wine Estates	millions of gallons	12.2	13.1	10.4	
U.S. Smokeless Tobacco Co.	millions of gallons	18.4	21.79	33.5	
Nu Mark	millions of gallons	0.06	0.09	0.1	
Other	millions of gallons	-	-	-	
Energy use	billions of btus	4,264	4,360	4,490	Reduce absolute energy* use 18% by 2025 vs. 2015
Normalized energy use	billion btus/MM\$ revenue	0.1681	0.1704	0.1744	
Energy use by business division					*including energy from non-renewable sources
Altria Group Distribution Company	billions of btus	284	303.1	324.1	
Altria Client Services	billions of btus	374.2	351.2	377.5	
John Middleton	billions of btus	90.5	110.3	99.0	
Philip Morris USA	billions of btus	2,684	2,711	2,822	
Ste. Michelle Wine Estates	billions of btus	304.6	274.7	288.5	
U.S. Smokeless Tobacco Co.	billions of btus	525.6	608.4	578.3	
Nu Mark	billions of btus	0.53	0.5	0.46	
Other	billions of btus	0.2	0.24	0.08	
Energy from renewables	percentage		0.80%	0.78%	
Energy from renewables	billions of btus		35	35	
Non-renewable energy	percentage		99.2%	99.22%	
Non-renewable energy	billions of btus		4,325	4,455	
Electrical power use	billions of btus		1,529	1,660	
Normalized electrical power use	billion btus/MM\$ revenue		0.0598	0.0645	
Electrical power use from non-renewables	percentage		97.7%	97.9%	
Electrical power use from renewables	percentage		2.3%	2.1%	
Electrical power use from non-renewables	billions of btus		1,494	1,625	
Electrical power use from renewables	billions of btus		35	35	
Renewable electrical power use – by source					
Wind	billions of btus		35	35	
Waste generated	millions of lbs.	82.2	91.3	172.4	Reduce waste* sent to landfill by 25% by 2025 vs. 2015
Non-hazardous waste generated	millions of lbs.	81.9	91	171.9	
Waste recycled	percentage	74.4%	69.4%	79.4%	*includes hazardous and non-hazardous waste
Waste incinerated	percentage	<1%	<1%	<1%	
Waste landfilled	percentage	25.6%	30.6%	20.6%	
Hazardous waste generated	short tons	165.6	147.3	268.5	
Normalized hazardous waste	short tons/MM\$ revenue	0.0065	0.0058	0.0104	
Hazardous waste by business division					
Altria Group Distribution Company	short tons	0	0.18	0	
Altria Client Services	short tons	31.9	24.3	19.6	
John Middleton	short tons	3.99	3.45	1.45	
Philip Morris USA	short tons	55.6	55.8	73.6	
Ste. Michelle Wine Estates	short tons	0.98	1.17	0	
U.S. Smokeless Tobacco Co.	short tons	10.6	14.02	7.42	
Nu Mark	short tons	12.6	8.68	138.2	
Other	short tons	49.9	39.6	28.2	

Notes

Major reported data elements have been assured by a third party – see our Corporate Responsibility report for details

Storm water is not included in waste water

Coverage of facilities:

- Data does not include Green Smoke’s facilities in Israel
- 2018 and 2017 data does not include Nat Sherman’s facilities (acquired in 2017)
- 2016 data does not include SMWE’s Patz & Hall due to timing of acquisition
- 2015 data does not include Knight’s Gambit due to timing of acquisition

GHG factors:

- GHG emission factors for various combustion fuels also based on EPA Climate Leaders document (last modified 4 April 2014).
- 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 eGRID factors. 2017 and 2018 uses eGRID2016. 2016 uses eGRID2014 (1/13/2017); 2015 uses eGRID2012 (October 8, 2015); 2014 uses eGRID 9th edition Version 1.0 Year 2010.
- GWP factors for the GHG pollutants based on IPCC Fifth Assessment Report (AR5). Also revised GHG factors for some mobile fuels and combustion fuels (EPA Climate Leaders data). Revised factors effective 1/1/2015.

Scope 3 methodology:

- Business travel is calculated based on emission factors and miles traveled for purchased air travel and rental cars.
- Starting in 2017 and updated biannually, 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 between updates using shipment volumes.