

## American Vanguard 2022 ESG Update

Environmental					
	2017	2018	2019	2020	2021
<b>GHG emissions -Scope 1 and 2</b>					
Total Scope 1 (thousand metric tons CO2e)	2.7	2.7	2.4	2.8	3.7
Total Scope 2 (thousand metric tons CO2e)	10.0	10.3	10.0	10.8	10.2
Total Emissions - Scope 1 + Scope 2 (thousand metric tons CO2e)	12.8	13.0	12.4	13.6	13.9
GHG Intensity (Total metric ton CO2e/ metric ton product)	0.16	0.16	0.16	0.18	0.16
<b>Other Emissions (metric tons)</b>					
Refrigerants (metric tons)	0.4	0.3	-	0.0	3.6
Volatile Organic Compounds VOCs (metric tons)	0.4	0.4	0.4	0.5	0.4
NOx (metric tons)	9.3	11.3	12.0	7.1	8.9
SOx (metric tons)	1.2	1.5	3.8	2.9	3.9
TRI Releases (metric tons)	261.1	277.6	437.5	264.6	588.9
Other Regulated Emissions - CO (metric tons)	1.7	2.1	1.8	3.3	2.4
Other Regulated Emissions - PM (metric tons)	4.1	3.2	4.2	3.4	5.8
TOTAL - ALL OTHER EMISSIONS (metric tons)	278.2	296.4	459.8	281.8	614.0
<b>Total Energy Consumption</b>					
Total energy (terajoules)	136.7	140.3	131.2	145.3	158.9
Energy Intensity (gigajoules/metric ton product)	1.7	1.7	1.6	1.9	1.8
<b>Water Withdrawal</b>					
Industrial / Municipal Water (thousand cubic meters)	27.0	27.8	29.4	30.2	39.3
Groundwater (thousand cubic meters)	34.1	34.5	33.8	33.3	46.9
Total Water Withdrawal (thousand cubic meters)	61.1	62.2	63.2	63.4	86.2
Water Intensity (cubic meters/metric ton product)	0.8	0.8	0.8	0.8	1.0
<b>Water Discharge</b>					
Wastewater Discharge (thousand cubic meters)	27.7	26.3	21.6	25.9	28.9
<b>Waste</b>					
Hazardous Waste Total (thousand metric tons)	15.0	13.4	15.3	11.0	13.0
Total of Nonhazardous, Universal, and Ordinary Wastes (thousand metric tons)	0.9	1.6	1.4	1.5	1.8
Total waste (thousand metric tons)	15.9	15.0	16.7	12.5	14.8
Intensity (metric tons / metric tons product)	0.2	0.2	0.2	0.2	0.2
Solid Waste Recycling (thousand metric tons)	0.03	0.03	0.01	0.01	0.01
<b>Risk Management</b>					
Number of Internal Environmental Assessments Performed (count)	25	25	23	22	41
Environmental Training Hours (count)	181	182	215	215	718
<b>Compliance</b>					
Number of Notices of Violation (NOVs) and Notice to Comply (NTCs)	0	0	0	1	2
Total Quantity of Fines and Penalties (US\$)	0	0	0	0	0
Number of Spills (count)	12	30	13	10	22
<b>Social</b>					
<b>Safety</b>					
Total Number of Fatalities	0	0	0	0	0
Total Recordable Rate (incidents*200,000 hours / manhours worked)	0.49	0.70	0.22	1.72	1.11
Total Lost Time/Restricted Rate (incidents*200,000 hours / manhours worked)	0.24	0.70	0.22	1.08	0.74

GRI Indicator	SASB Reference
305-1	RT-CH-110a.1
305-2	
305-4	
305-6	RT-CH-120a.1
305-7	RT-CH-120a.1
305-7	RT-CH-120a.1
305-7	RT-CH-120a.1
305-7	RT-CH-120a.1
305-7	RT-CH-120a.1
305-7	RT-CH-120a.1
302-1	RT-CH-130a.1
302-3	
303-3	
303-3	
303-3	RT-CH-140a.1
303-4	
306-3	RT-CH-150a.1
306-3	
306-3	
306-4	
307-1	
403-9	RT-CH-320a.1