



POLYCOR

**ENVIRONMENTAL
REPORT**

2019





The following environmental report covers energy consumption, greenhouse gas emissions, excess process materials and waste for sites complying with Natural Stone Sustainable Standard (ANSI/NSC 373). All of Polycor's certified sites operate according to the standard's guidelines.



ENERGY & GHG EMISSIONS

Quarry operations are powered by various sources of energy which release GHG emissions on two levels: direct GHG emissions (scope 1) related to on-site fuel-powered equipment; indirect GHG emissions (scope 2) related to electricity. At our plants, a large part of the energy consumed comes from electricity (scope 2). A smaller portion comes from direct GHG emissions (scope 1) like fuel-powered equipment and fossil fuel-powered heating systems, etc.

Since the certification of our first quarry, Cambrian Black, in 2017, Polycor's goal for all certified quarries and plants has been to reduce energy consumption and GHG emissions by 2% each year over the next five years. Therefore, over a five-year period, certified sites should have reduced consumption and emissions by a total of 10%.



EXCESS PROCESS MATERIALS

The industry's two main sources of excess process materials (EPMs) are breakage and roughbacks. All EPMs are accumulated on-site to be reclaimed as aggregates or to be used in the rehabilitation of the site. Sites that have crushing installations can reduce a large amount of EPMs; however, Polycor is always looking to improve its material yield.

As more quarries and manufacturing plants comply with ANSI/NSC 373 standard, their goal is to reduce EPMs by 0.5% each year over the next five years. Therefore, over a five-year period, certified sites should have reduced EPMs by a total of 2.5%.



SOLID WASTE

In our quarries and manufacturing plants, solid waste is mostly generated by workshop maintenance and offices. The five main categories of solid waste are trash, recycling, empty containers (reclaimed by suppliers), metals, and hazardous materials. It is important to note that certain sites, such as the Cambrian Black quarry, act as a central site providing maintenance and dispatching materials to other sites. As more quarries and manufacturing plants comply with ANSI/NSC 373 standard, their goal is to reduce solid waste by 1% each year over the course of next five years, for a total reduction of 5% in five years' time.



SITE REPORTS



ADAMS QUARRY

Bloomington, IN, United States

STONES QUARRIED HERE:

- INDIANA LIMESTONE - FULL COLOR BLEND™
- INDIANA LIMESTONE - RUSTIC BUFF™
- INDIANA LIMESTONE - RUSTIC GRAY™
- INDIANA LIMESTONE - RUSTIC SILVER BUFF™
- INDIANA LIMESTONE - STANDARD BUFF™
- INDIANA LIMESTONE - STANDARD GRAY™
- INDIANA LIMESTONE - STANDARD SILVER BUFF™

Energy Consumption	2017	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	455,827.05	2,407,046.27	4,995,577.76	+55%
Energy Intensity (kWh per cubic foot)	13.65	7.44	4.74	
GHG Emissions	2017	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	271,132.05	1,432,180.59	2,972,986.82	+55%
GHG Emission Intensity (lbs per cubic foot)	8.12	4.43	2.82	
Excess Process Materials	2017	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	77,237.50	866,882.85	2,067,900.26	+21%
EPM Intensity (cubic feet per cubic foot)	2.31	2.68	1.96	
Waste	2017	2018	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	2,932.14	2,932.14	11,957.86	+77%
Waste Intensity (lbs per cubic foot)	0.09	0.01	0.01	

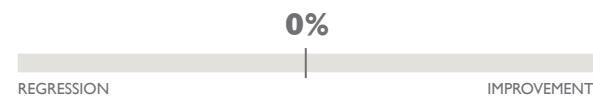
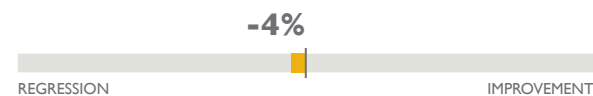
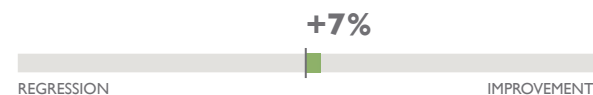
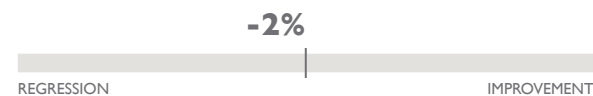


BETHEL WHITE QUARRY

Bethel, VT, United States

STONE QUARRIED HERE:
BETHLE WHITE® granite

Energy Consumption	2017*	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	N/A	1,370,162.61	1,000,143.12	-2%
Energy Intensity (kWh per cubic foot)	N/A	8.93	9.10	
GHG Emissions	2017*	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	N/A	669,352.19	446,847.55	+7%
GHG Emission Intensity (lbs per cubic foot)	N/A	4.36	4.07	
Excess Process Materials	2017*	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	N/A	1,126,775.00	837,234.00	-4%
EPM Intensity (cubic feet per cubic foot)	N/A	7.35	7.62	
Waste	2017*	2018	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	N/A	31,978.49	23,058.41	0%
Waste Intensity (lbs per cubic foot)	N/A	0.21	0.21	







*Data not available for 2017



CALEDONIA QUARRIES

Rivière-à-Pierre, QC, Canada

STONE QUARRIED HERE:
CALEDONIA™ granite

Energy Consumption	2016	2017-2018*	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	605,445.43	N/A	948,454.44	+62% 
Energy Intensity (kWh per cubic foot)	11.53	N/A	4.39	
GHG Emissions	2016	2017-2018*	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	358,866.79	N/A	255,000.48	+62% 
GHG Emission Intensity (lbs per cubic foot)	6.84	N/A	2.60	
Excess Process Materials	2016	2017-2018*	2019	2019 Intensity Compared to Average
Total EPM (lbs)	54,086.94	N/A	158,320.81	+29% 
EPM Intensity (cubic feet per cubic foot)	1.03	N/A	0.73	
Waste	2016	2017-2018*	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	11,957.86	N/A	1,992.98	+96% 
Waste Intensity (lbs per cubic foot)	0.23	N/A	0.01	

*The Caledonia quarry was not operated in 2017 & 2018.

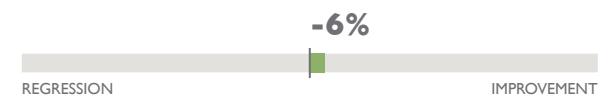


CAMBRIAN BLACK QUARRY

Saint-Nazaire, QC, Canada

STONES QUARRIED HERE:
CAMBRIAN BLACK® granite

Energy Consumption	2017	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	4,743,378.56	4,803,502.47	3,726,097.76	+13%
Energy Intensity (kWh per cubic foot)	33.86	42.67	33.13	
GHG Emissions	2017	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	2,601,804.77	2,656,280.31	2,019,829.11	+15%
GHG Emission Intensity (lbs per cubic foot)	18.57	23.60	17.96	
Excess Process Materials	2017	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	592,799.97	568,122.06	417,377.45	+14%
EPM Intensity (cubic feet per cubic foot)	4.23	5.05	3.71	
Waste	2017	2018	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	12,1858.07	12,3677.31	10,3648.32	-6%
Waste Intensity (lbs per cubic foot)	0.87	1.10	0.92	





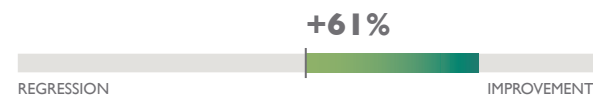
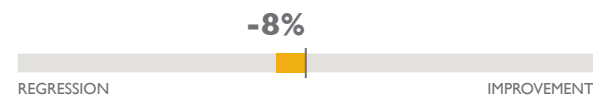
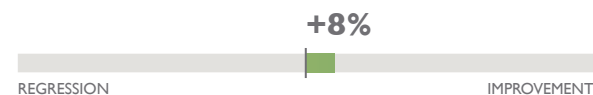
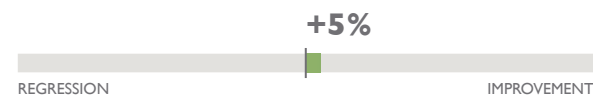
CURBS AND URBAN LANDSCAPING PLANT

Rivière-à-Pierre, QC, Canada

PRODUCTS MANUFACTURED:

Granite curbs, pavers, and cut-to-size

Energy Consumption	2017*	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	N/A	2,488,455.99	2,822,201.56	+5%
Energy Intensity (kWh per cubic foot)	N/A	23.57	22.38	
GHG Emissions	2017*	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	N/A	632,712.63	698,112.11	+8%
GHG Emission Intensity (lbs per cubic foot)	N/A	5.99	5.53	
Excess Process Materials	2017*	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	N/A	50,468.24	64,908.42	-8%
EPM Intensity (cubic feet per cubic foot)	N/A	0.48	0.51	
Waste	2017*	2018	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	N/A	78,246.50	36,490.87	+61%
Waste Intensity (lbs per cubic foot)	N/A	0.74	0.29	



*The curbs and urban landscaping plant was first certified in 2018.



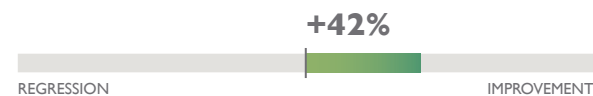
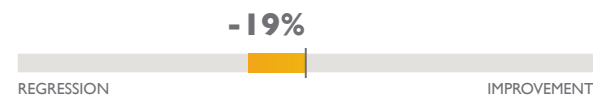
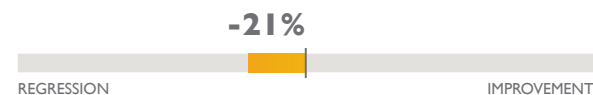
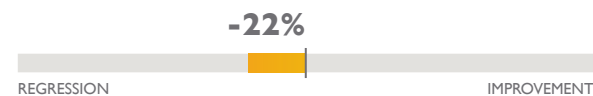
EMPIRE QUARRY

Bloomington, IN, United States

STONES QUARRIED HERE:

- INDIANA LIMESTONE - FULL COLOR BLEND™
- INDIANA LIMESTONE - RUSTIC BUFF™
- INDIANA LIMESTONE - RUSTIC GRAY™
- INDIANA LIMESTONE - RUSTIC SILVER BUFF™
- INDIANA LIMESTONE - STANDARD BUFF™
- INDIANA LIMESTONE - STANDARD GRAY™
- INDIANA LIMESTONE - STANDARD SILVER BUFF™

Energy Consumption	2017	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	6,389,271.87	8,446,350.73	8,927,014.77	-22%
Energy Intensity (kWh per cubic foot)	5.98	8.09	8.60	
GHG Emissions	2017	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	4,049,326.75	5,234,111.10	5,508,685.69	-21%
GHG Emission Intensity (lbs per cubic foot)	3.79	5.01	5.31	
Excess Process Materials	2017	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	2,339,022.64	2,672,678.60	2,932,828.50	-19%
EPM Intensity (cubic feet per cubic foot)	2.19	2.56	2.83	
Waste	2017	2018	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	109,857.10	84,347.71	55,660.96	+42%
Waste Intensity (lbs per cubic foot)	0.10	0.08	0.05	





EUREKA QUARRY

Bloomington, IN, United States

STONES QUARRIED HERE:

- INDIANA LIMESTONE - FULL COLOR BLEND™
- INDIANA LIMESTONE - RUSTIC BUFF™
- INDIANA LIMESTONE - RUSTIC GRAY™
- INDIANA LIMESTONE - RUSTIC SILVER BUFF™
- INDIANA LIMESTONE - STANDARD BUFF™
- INDIANA LIMESTONE - STANDARD GRAY™
- INDIANA LIMESTONE - STANDARD SILVER BUFF™

Energy Consumption	2017*	2018*	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	N/A	N/A	3,016,794.67	N/A REGRESSION IMPROVEMENT
Energy Intensity (kWh per cubic foot)	N/A	N/A	4.84	
GHG Emissions	2017*	2018*	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	N/A	N/A	2,245,576.37	N/A REGRESSION IMPROVEMENT
GHG Emission Intensity (lbs per cubic foot)	N/A	N/A	3.61	
Excess Process Materials	2017*	2018*	2019	2019 Intensity Compared to Average
Total EPM (lbs)	N/A	N/A	931,341.00	N/A REGRESSION IMPROVEMENT
EPM Intensity (cubic feet per cubic foot)	N/A	N/A	1.50	
Waste	2017*	2018*	2019*	2019 Intensity Compared to Average
Total Waste Generated (lbs)	N/A	N/A	NA	N/A REGRESSION IMPROVEMENT
Waste Intensity (lbs per cubic foot)	N/A	N/A	NA	

*The Eureka quarry was certified in 2019.

**Waste is accounted under the Eureka plant.

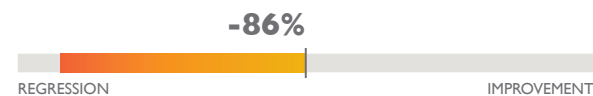
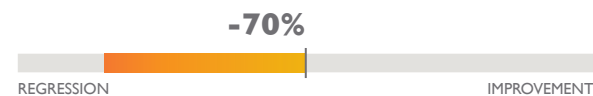
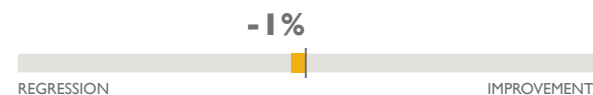
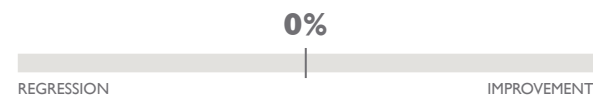


GEORGIA MARBLE PLANT

Tate, GA, United States

PRODUCTS MANUFACTURED:
Marble slabs, cut-to-size, and monuments

Energy Consumption	2017*	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	N/A	1,463,390.95	1,397,012.04	0%
Energy Intensity (kWh per cubic foot)	N/A	22.86	22.89	
GHG Emissions	2017*	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	N/A	1,465,863.67	1,418,076.21	-1%
GHG Emission Intensity (lbs per cubic foot)	N/A	22.90	23.23	
Excess Process Materials	2017*	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	N/A	1,512.00	2,450.31	-70%
EPM Intensity (cubic feet per cubic foot)	N/A	0.02	0.04	
Waste	2017*	2018	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	N/A	737,776.08	1,311,175.70	-86%
Waste Intensity (lbs per cubic foot)	N/A	11.52	21.48	



*The Georgia Marble plant was first certified in 2018.



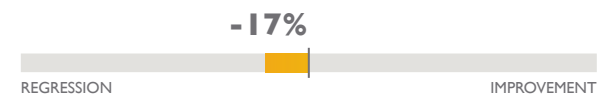
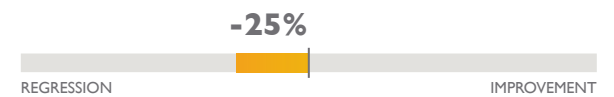
GEORGIA MARBLE QUARRIES

Tate, GA, United States

STONES QUARRIED HERE:

- GEORGIA MARBLE - WHITE GEORGIA™
- GEORGIA MARBLE - WHITE CHEROKEE™
- GEORGIA MARBLE - PEARL GREY™
- GEORGIA MARBLE - SOLAR GREY™
- GEORGIA MARBLE - ETOWAH™

Energy Consumption	2017*	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	N/A	4,558,431.54	5,613,817.90	-25%
Energy Intensity (kWh per cubic foot)	N/A	28.10	35.10	
GHG Emissions	2017*	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	N/A	3,778,477.34	4,372,964.04	-17%
GHG Emission Intensity (lbs per cubic foot)	N/A	23.29	27.34	
Excess Process Materials	2017*	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	N/A	301,022.81	256,471.84	+14%
EPM Intensity (cubic feet per cubic foot)	N/A	1.86	1.60	
Waste	2017*	2018*	2019*	2019 Intensity Compared to Average
Total Waste Generated (lbs)	N/A	N/A	N/A	N/A
Waste Intensity (lbs per cubic foot)	N/A	N/A	N/A	



*The Georgia Marble quarry was first certified in 2018.
 **All waste is accounted for on the Georgia Marble plant sheet.



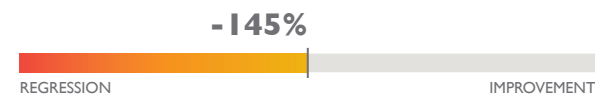
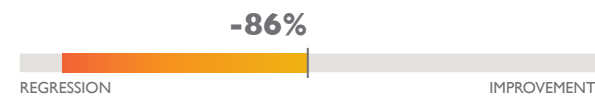
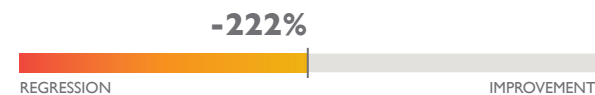
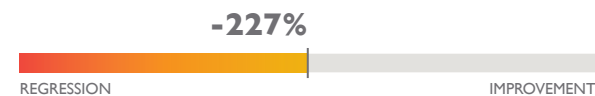
VICTOR QUARRY

Bloomington, IN, United States

STONES QUARRIED HERE:

- INDIANA LIMESTONE - FULL COLOR BLEND™
- INDIANA LIMESTONE - RUSTIC BUFF™
- INDIANA LIMESTONE - RUSTIC GRAY™
- INDIANA LIMESTONE - RUSTIC SILVER BUFF™
- INDIANA LIMESTONE - STANDARD BUFF™
- INDIANA LIMESTONE - STANDARD GRAY™
- INDIANA LIMESTONE - STANDARD SILVER BUFF™

Energy Consumption	2017	2018	2019	2019 Intensity Compared to Average
Total Energy Consumed (kWh)	6,040,650.49	6,779,770.48	5,700,095.56	-227%
Energy Intensity (kWh per cubic foot)	6.98	9.29	26.60	
GHG Emissions	2017	2018	2019	2019 Intensity Compared to Average
Total GHG Emissions (lbs of CO2 eq.)	3,768,823.04	4,221,854.94	3,501,829.79	-222%
GHG Emission Intensity (lbs per cubic foot)	4.36	5.79	16.34	
Excess Process Materials	2017	2018	2019	2019 Intensity Compared to Average
Total EPM (lbs)	1,956,403.61	2,193,600.36	1,052,035.37	-86%
EPM Intensity (cubic feet per cubic foot)	2.26	3.01	4.91	
Waste	2017	2018	2019	2019 Intensity Compared to Average
Total Waste Generated (lbs)	76,169.62	58,422.89	44,146.50	-145%
Waste Intensity (lbs per cubic foot)	0.09	0.08	0.21	





POLYCOR

**NATURALLY
SUSTAINABLE™**