



### GHG Inventory for Hope College (CO2e) in Metric Tons

	Natural Gas central boiler & residential use	Heating Degree Days		Electric purchased from fossil fuel sources		Cooling Degree Days		Transportation CO2E Data		Totals of all measured quantities	Campus Square Footage	Fall Student FTE		Metric Tons per Student FTE		Metric Tons per sq ft		
		% Inc/Dec vs baseline	HDD for 65 F Days	% Inc/Dec vs baseline	HDD vs baseline	% Inc/Dec vs baseline	CDD for 65 F Days	% Inc/Dec vs baseline	CDD vs baseline			% Inc/Dec vs baseline	% Inc/Dec vs baseline	% Inc/Dec vs baseline	% Inc/Dec vs baseline	% Inc/Dec vs baseline		
2005	9,230.31	baseline	6410	baseline	17,429.45	baseline	867	baseline		26,659.76	baseline	1,625,506	3112.8	baseline	8.565	baseline	0.0164	baseline
2006	9,654.17	4.59%	5682	-11.36%	18,654.56	7.03%	682	-21.34%		28,308.73	6.19%	1,739,717	3017.7	-3.06%	9.381	9.53%	0.0163	-0.79%
2007	10,295.52	11.54%	5945	-7.25%	19,122.03	9.71%	845	-2.54%		29,417.55	10.34%	1,739,717	3044.5	-2.19%	9.663	12.82%	0.0169	3.10%
2008	11,658.93	26.31%	6462	0.81%	19,888.82	14.11%	562	-35.18%		31,547.75	18.33%	1,740,817	3077.7	-1.13%	10.250	19.68%	0.0181	10.50%
2009	11,263.94	22.03%	6230	-2.81%	18,006.48	3.31%	496	-42.79%		29,270.42	9.79%	1,753,937	3087.3	-0.82%	9.481	10.70%	0.0167	1.75%
2010	8,898.24	-3.60%	5704	-11.01%	17,541.68	0.64%	1001	15.46%		26,439.92	-0.82%	1,753,937	3088.3	-0.79%	8.561	-0.04%	0.0151	-8.09%
2011	8,954.20	-2.99%	6092	-4.96%	17,731.04	1.73%	843	-2.77%		26,685.24	0.10%	1,753,937	3126.3	0.43%	8.536	-0.34%	0.0152	-7.23%
2012	7,968.34	-13.67%	5140	-19.81%	18,233.56	4.61%	1019	17.53%		26,201.90	-1.72%	1,790,121	3199.5	2.79%	8.189	-4.38%	0.0146	-10.76%
2013	9,290.64	0.65%	6330	-1.25%	17,903.93	2.72%	812	-6.34%		27,194.57	2.01%	1,790,121	3248.1	4.35%	8.372	-2.24%	0.0152	-7.37%
2014	9,606.79	4.08%	6991	9.06%	17,650.82	1.27%	570	-34.26%		27,257.61	2.24%	1,790,121	3276.0	5.24%	8.320	-2.85%	0.0152	-7.16%
2015	9,284.45	0.59%	6120	-4.52%	14,266.29	-18.15%	607	-29.99%		23,550.74	-11.66%	1,869,121	3239.0	4.05%	7.271	-15.10%	0.0126	-23.18%
2016	9,243.07	0.14%	5779	-9.84%	13,133.65	-24.65%	785	-9.46%		22,376.73	-16.07%	1,869,121	3043.0	-2.24%	7.354	-14.14%	0.0120	-27.01%
2017	9,470.21	2.60%	5789	-9.69%	8,940.35	-48.71%	613	-29.30%	1,192.76 baseline	19,603.32	-26.47%	1,923,121	2966.0	-4.72%	6.609	-22.83%	0.0102	-37.85%

**Note 1:** From 2015 forward, the Holland Board of Public Works uses renewable energy for a portion of its electric supply. This will continue to increase in subsequent years.

**Note 2:** In 2017, the Holland Board of Public Works opened a new natural gas fired electric energy plant. NG produces much less CO2e than the previous coal fired electric energy plant.

**Note 3:** In 2017, Hope College began tracking the transportation emissions from college fleet vehicles, physical plant vehicles, and student and faculty commute to fulfill requirements for some scope three categories. Air travel and business travel was not included.

