

University of Colorado at Boulder, Summary of Energy Use and Scope 1 & 2 GHG Emissions, Net of Offsets, 2005-2016

Year	Scope 1				Scope 2				Gross Scope 1 & 2	RECs and Offsets		Net Scope 1 & 2	
	Total Natural Gas used (MMBTU)	Natural Gas Emissions Factor (Lbs CO2/MMBTU)	Natural Gas Emissions (Metric Tons CO2e)	Fleet Emissions (Metric Tons CO2e)	Total kwh Consumed	Total kwh Cogen Produced	Total kwh Purchased	Purchased kwh Emissions Factor (lbs/MWH)**	Purchased Electricity Emissions (Metric Tons CO2e)	Gross S1+2 GHG Emissions (Metric Tons CO2e)	RECs - Community Energy (Metric Tons CO2e)	Offsets-CCF (Metric Tons CO2e)	Total S 1 & 2 GHG Emissions (Metric Tons CO2e)
2005	1,324,306	117.65	70,673	1,381	130,115,696	54,337,350	75,778,347	1,849	63,556	135,609	0	0	135,609
2006	1,115,359	117.65	59,522	1,496	131,807,368	28,697,757	103,109,611	1,836	85,871	146,889	8,371	0	138,518
2007	1,150,289	117.65	61,386	1,520	132,881,393	29,503,229	103,378,164	1,750	82,062	144,968	2,053	2,881	140,034
2008	1,112,306	117.65	59,359	1,476	132,189,812	25,010,141	107,179,671	1,646	80,023	140,858	1,564	2,567	136,727
2009	913,786	117.65	48,765	1,518	130,536,304	4,089,082	126,447,221	1,616	92,688	142,971	1,565	2,408	138,998
2010	895,652	117.65	47,797	1,550	127,720,811	3,215,410	124,505,401	1,667	94,145	143,492	4,000	3,915	135,577
2011	923,351	117.65	49,276	1,392	141,660,521	4,151,860	137,508,661	1,613	100,609	151,277	4,000	8,000	139,277
2012	900,173	117.65	48,039		147,963,869	4,370,540	143,593,329	1,545	100,632	148,671			148,671
2013	1,039,131	117.65	55,454		150,821,140	7,772,800	143,048,340	1,521	98,693	154,147			154,147
2014	883,059	117.65	47,125		150,740,131	6,713,640	144,026,491	1,466	95,774	142,900			142,900
2015	787,926	117.65	42,048		152,446,680	247,888	152,198,792	1,459	100,726	142,774			142,774
2016	821,775	117.65	43,855		153,005,446	434,230	152,571,216	1,308	90,522	134,377			134,377

* Custom emissions factor for RECs from Community Energy, 8.10.2010

** Custom grid (PSCO) emissions factors from Xcel Energy, 5.17.17

*** from EPA AP-42 standard emissions factors at: <http://www.epa.gov/ttnchie1/ap42/ch01/final/c01s04.pdf>