

CO2 Emissions Inventory Updated June '08

Preliminary Results Completed by Environmental Science students: Tammi Monday, Yvonne Norman, and Amber Morgan. April 2007

Sources of CO2 in 2006	Tons
Solid Waste	191
Fleet	716
Air Travel	1,280
Electricity	9,811
Commuting	29,923
Natural Gas	6,691

Note: When the Transportation study is complete, data from FY06&07 will present the most complete picture of PCC's emissions. Some categories were assigned low estimates to account for missing data 00-05 (see notes). This may be the most comprehensive study of CO2 emissions ever completed by a college campus.

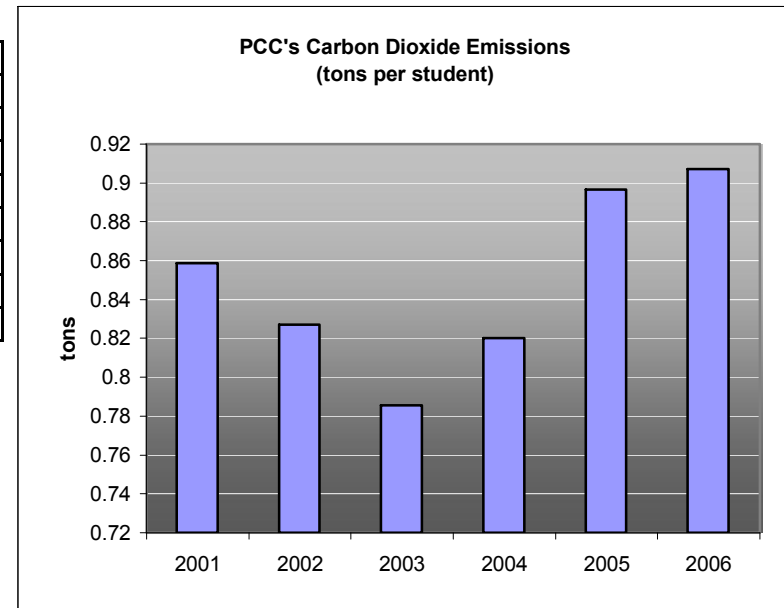
Thanks to Randy McEwen, Steve Sivage, Wing-Kit Chung, John Garner, Ken Nelson, Teri Hunt, Jill Dunaway, Institutional Effectiveness, Grant Bennett, Dmitry Tropets, Terri Lookabil

Tons CO2

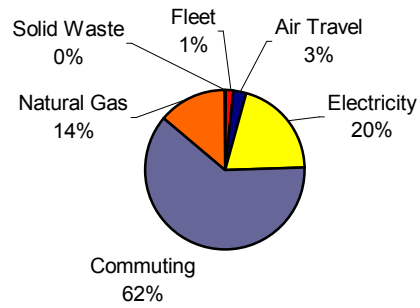
Year	Electricity	Natural Gas	Fleet	Commute	Air	agriculture	solid waste	total metric tons	US ton	pounds/ft 2
2001	8771	5872	647	32394	778	28	170	48,660	54,500	67
2002	8930	5274	795	36427	778	29	170	52,403	58,692	72
2003	8271	4684	769	36978	778	28	170	51,678	57,880	69
2004	8655	5324	840	32910	958	28	170	48,885	54,752	56
2005	9571	6447	883	30002	962	28	180	48,072	53,841	54
2006	9811	6691	716	29923	1280	28	191	48,640	54,476	53
% Growth	12%	14%	11%	-8%	65%	-2%	12%	0%	0%	-21%

	Physical size	# students			
		full-tme	part-time	summer	total
2000	1,604,015	10,056	29,614	23,011	62,681
2001	1,604,015	10,486	29,614	23,364	63,464
2002	1,613,015	12,579	31,626	26,753	70,958
2003	1,642,235	12,832	32,107	28,728	73,667
2004	1,935,784	11,965	30,403	24,385	66,753
2005	1,977,274	12,003	25,020	23,018	60,041
2006	2,022,598	12,390	23,214	24,439	60,043

Conversion Factors:	
pounds/metric ton	2204.62
long tons/short ton	1.12

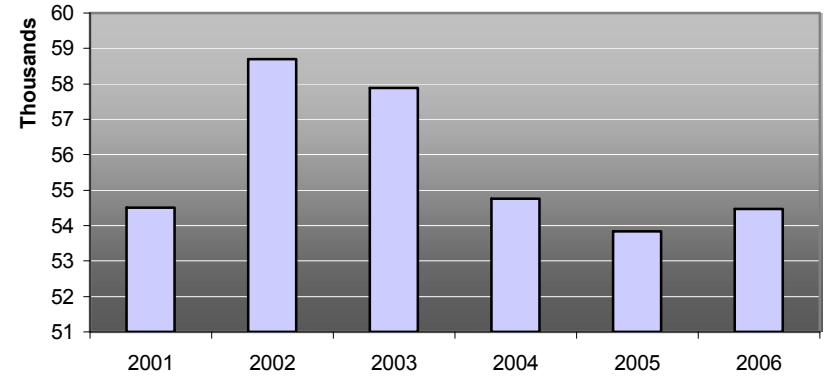


Sources of PCC's Carbon Dioxide Emissions (2006)

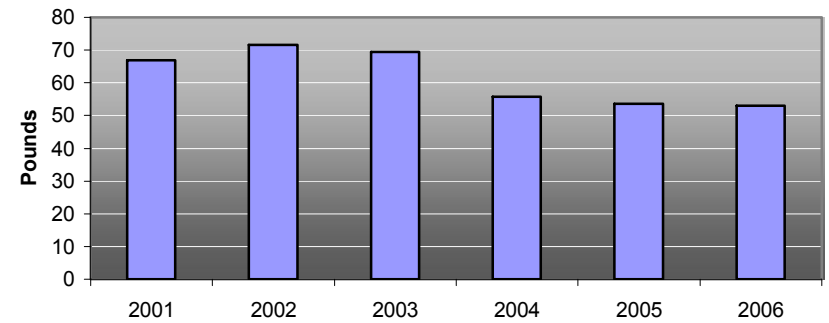


tons/student
0.858747641
0.827133598
0.785695072
0.820211585
0.896740152
0.907290255
6%

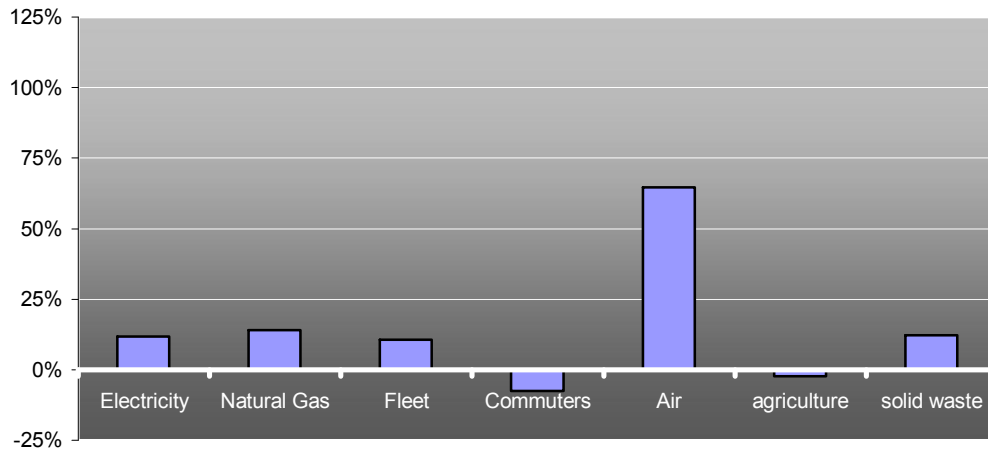
PCC's Total Carbon Dioxide Emissions (tons)



PCC's Carbon Dioxide Emissions (pounds per square foot)



Estimated Change in Carbon Dioxide Emissions 2001-06



On this Worksheet: Summary Data

MODULE		Summary					
WORKSHEET		eCO ₂ Summary (Metric Tonnes eCO ₂)					
UNIVERSITY		Please enter university name on 'Introduction' sheet					
Fiscal Year	Purchased Electricity	Purchased Steam and Chilled water	On-campus Stationary				Total
			Total	Non Co-Gen	Co-Gen Electric	Co-Gen Steam	
2000	-	-	-	-	-	-	-
2001	8,771	-	5,872	5,872	-	-	33,819
2002	8,930	-	5,274	5,274	-	-	38,000
2003	8,271	-	4,684	4,684	-	-	38,525
2004	8,655	-	5,324	5,324	-	-	34,708
2005	9,571	-	6,447	6,447	-	-	31,846
2006	9,811	-	6,691	6,691	-	-	31,919
2007	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-

