

## CORNELL KYOTO TASK TEAM

CO<sub>2</sub> Inventory

CO <sub>2</sub> Emissions Rates			
Fuel	Rate	Units	Source
Cornell - fuel oil	170	lb/10 <sup>6</sup> BTU's	EPA AP-42 Emission Factors
Cornell - gas	110	lb/10 <sup>6</sup> BTU's	EPA AP-42 Emission Factors
Cornell - coal	210	lb/10 <sup>6</sup> BTU's	EPA AP-42 Emission Factors
NYSEG 1980 Electricity	1.93	lb/kwh	New York State Electric & Gas (NYSEG) 1990 Annual Report
	570	lb/10 <sup>6</sup> BTU's	
NYSEG 1990 Electricity	1.92	lb/kwh	New York State Electric & Gas (NYSEG) 1990 Annual Report
	560	lb/10 <sup>6</sup> BTU's	
NYSEG Current Electricity	0.78	lb/kwh	New York State Public Service Commission (NYSPSC)
	228	lb/10 <sup>6</sup> BTU's	

Fiscal Year Ending	Electricity Procurement CO <sub>2</sub> (tons)	CHP Fuel Input (10 <sup>6</sup> BTU's)	CHP Fuel CO <sub>2</sub> Emissions (tons)	Total CO <sub>2</sub> Emissions (tons)	% Change vs. 1990
1980	146,000	1,530,000	131,000	276,000	
1990	167,000	1,750,000	166,000	333,000	
2000	88,000	1,710,000	169,000	257,000	-30%
2001	96,000	1,800,000	183,000	279,000	-19%
2002	88,000	1,650,000	168,000	256,000	-30%
2003	86,000	1,770,000	176,000	262,000	-27%
2004	93,000	1,870,000	187,000	280,000	-19%
2005	79,000	1,830,000	184,000	263,000	-27%
2010	87,000	2,020,000	203,000	290,000	-15%
2015	91,000	2,150,000	216,000	307,000	-8%

Fiscal Year Ending	Total Electric & Fuel Input (10 <sup>6</sup> BTU's)	Campus Square Footage	Campus Annual BTU/ft <sup>2</sup>	Campus Annual lb CO <sub>2</sub> /ft <sup>2</sup>	HDD/yr (7125 ave.)
1980	2,047,000	10,100,000	203,000	55	7,251
1990	2,345,000	11,800,000	199,000	56	6,919
2000	2,420,000	13,300,000	182,000	39	6,615
2001	2,532,000	13,300,000	190,000	42	7,126
2002	2,328,000	13,540,000	172,000	38	5,499
2003	2,438,000	13,582,000	179,000	39	7,693
2004	2,552,000	13,702,000	186,000	41	7,092
2005	2,521,000	13,809,000	183,000	38	7,202
2010	2,782,000	15,065,600	223,000	38	7,126
2015	2,950,000	15,462,100	223,000	40	7,126