

Glendale Community College GHG Emissions Data Collection

01 - Budget (Al Gonzales & Herman Gonzalez)

Completed by (name): **Regis Della-Calce**

Instructions in blue. Comments in gray. Complete data in black. **Estimated data and associated comments & assumptions in red.**

Estimates made by Mary Harris, where there is missing or incomplete data. Any assumptions made are documented on relevant worksheets. (April 16, 2011)

Note: All these worksheets should print in landscape mode, but a bug in Excel means that this is sometimes "forgotten" and it reverts to portrait mode.

Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

Inflation-adjusted \$ (2005) values will automatically appear in the white cells when you enter your data; this is FYI only.

Data Sub-Category:	Budget		Conversion	Budget Adjusted for Inflation		
CCC Spreadsheet						
Column:	D	F				
Data Description:	Operating Budget	Energy Budget	Deflator	Operating Budget	Energy Budget	Energy Budget as a percentage of Operating budget.
Units for Data Values:	\$	\$	\$ (2005)	\$	\$	
1990	\$ 20,097,389	\$ 1,074,003	0.72200	\$ 27,835,718.84	\$ 1,487,538.32	5.34%
1991	\$ 23,510,100	\$ 1,074,003	0.74726	\$ 31,461,740.22	\$ 1,437,254.32	4.57%
1992	\$ 25,745,087	\$ 1,074,003	0.76444	\$ 33,678,361.94	\$ 1,404,953.52	4.17%
1993	\$ 26,460,000	\$ 1,074,003	0.78210	\$ 33,831,990.79	\$ 1,373,229.34	4.06%
1994	\$ 27,932,000	\$ 1,074,003	0.79872	\$ 34,970,953.53	\$ 1,344,654.78	3.85%
1995	\$ 27,985,000	\$ 1,074,003	0.81506	\$ 34,334,895.59	\$ 1,317,697.67	3.84%
1996	\$ 28,882,477	\$ 1,017,336	0.83051	\$ 34,776,796.19	\$ 1,224,953.34	3.52%
1997	\$ 29,762,549	\$ 1,102,336	0.84433	\$ 35,249,901.11	\$ 1,305,574.83	3.70%
1998	\$ 32,455,301	\$ 1,102,336	0.85370	\$ 38,017,220.34	\$ 1,291,245.17	3.40%
1999	\$ 34,174,182	\$ 902,336	0.86605	\$ 39,459,825.65	\$ 1,041,898.27	2.64%
2000	\$ 35,725,296	\$ 902,336	0.88492	\$ 40,371,215.48	\$ 1,019,680.88	2.53%
2001	\$ 39,382,741	\$ 902,336	0.90615	\$ 43,461,613.42	\$ 995,790.98	2.29%
2002	\$ 44,816,167	\$ 1,016,783	0.92197	\$ 48,609,138.04	\$ 1,102,837.40	2.27%
2003	\$ 47,079,288	\$ 1,016,783	0.94159	\$ 49,999,774.85	\$ 1,079,857.48	2.16%
2004	\$ 49,422,973	\$ 1,016,783	0.96833	\$ 51,039,390.50	\$ 1,050,037.69	2.06%
2005	\$ 53,672,500	\$ 1,086,783	1.00000	\$ 53,672,500.00	\$ 1,086,783.00	2.02%
2006	\$ 57,809,749	\$ 1,086,783	1.03153	\$ 56,042,721.98	\$ 1,053,564.12	1.88%
2007	\$ 62,160,943	\$ 1,086,783	1.05887	\$ 58,704,980.78	\$ 1,026,361.12	1.75%
2008	\$ 64,229,717	\$ 1,086,783	1.08105	\$ 59,414,196.38	\$ 1,005,303.18	1.69%
2009	\$ 65,742,728	\$ 1,086,783	1.10057	\$ 59,735,162.69	\$ 987,472.85	1.65%
2010	\$ 68,009,707	\$ 1,086,783	1.12153	\$ 60,640,113.95	\$ 969,018.22	1.60%
	Slope (Ave inflation)		1.95%			

Estimates 1990 - 1995
are ave of 1996 - 1998.

Glendale Community College GHG Emissions Data Collection

02 - Population (Jim Waugh, William Ferguson, also BOEXI data)

Completed by (name):

Instructions in blue. Comments in gray. Complete data in black. Estimated data and associated comments & assumptions in red.

Estimates made by Mary Harris, where there is missing or incomplete data. Any assumptions made are documented on relevant worksheets. (April 16, 2011)

Note: All these worksheets should print in landscape mode, but a bug in Excel means that this is sometimes "forgotten" and it reverts to portrait mode.

Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

1990 - 2000: From Jim Waugh			Data Category: Institutional Data												
2001 - 2010: CCC Spreadsheet			Data Sub-Category: Population												
Total students in Spring from CRS at blue link	Total students in Fall from CRS at blue link	Total students (ave Spring & Fall) from CRS at blue link	Data Description:	G	H	I	J	K				% of Part Time Faculty counted for entry into CCC:	% of Part Time staff counted for entry into CCC:		
			Full-Time Students	Part-Time Students	Summer School Students	Faculty	Staff				% of students who are part-time:	% of Faculty who are part-time:	% of staff who are part time:		
			Units for Data Values:	#	#	#	#	#							
17,068	18,497	17,783	1990	5,335	12,448	1,704	450	450	70%	70%	60%	30%	30%		
17,132	18,785	17,959	1991	5,388	12,571	1,704	450	450	70%	70%	60%	30%	30%		
18,514	17,936	18,225	1992	5,468	12,758	1,704	450	450	70%	70%	60%	30%	30%		
17,751	17,520	17,636	1993	5,291	12,345	1,704	450	450	70%	70%	60%	30%	30%		
16,516	18,033	17,275	1994	5,182	12,092	1,704	450	450	70%	70%	60%	30%	30%		
17,119	17,731	17,425	1995	5,228	12,198	1,704	450	450	70%	70%	60%	30%	30%		
16,474	17,333	16,904	1996	5,071	11,832	1,880	450	450	70%	70%	60%	30%	30%		
16,121	17,359	16,740	1997	5,022	11,718	1,527	450	450	70%	70%	60%	30%	30%		
16,388	18,088	17,238	1998	5,171	12,067	1,463	450	450	70%	70%	60%	30%	30%		
17,285	19,881	18,583	1999	5,575	13,008	1,588	450	450	70%	70%	60%	30%	30%		
17,715	20,091	18,903	2000	5,671	13,232	1,438	450	450	70%	70%	60%	30%	30%		
17,838	19,775	18,807	2001	5,642	13,165	1,342	450	450	70%	70%	60%	30%	30%		
17,898	20,399	19,149	2002	5,745	13,404	1,546	449	447	70%	70%	60%	30%	30%		
19,325	20,692	20,009	2003	6,003	14,006	1,421	451	463	70%	70%	60%	30%	30%		
19,734	20,649	20,192	2004	6,057	14,134	1,553	468	465	70%	70%	60%	30%	30%		
19,154	20,070	19,612	2005	5,884	13,728	1,318	474	468	70%	70%	60%	30%	30%		
17,995	19,133	18,564	2006	5,569	12,995	1,325	471	490	70%	70%	60%	30%	30%		
17,533	18,444	17,989	2007	5,397	12,592	1,179	473	477	70%	70%	60%	30%	30%		
16,905	18,228	17,567	2008	6,148	11,418	1,234	473	510	65%	70%	60%	30%	30%		
17,222	20,154	18,688	2009	7,475	11,213	1,408	454	502	60%	70%	60%	30%	30%		
19,219	21,373	20,296	2010	8,118	12,178	1,402	468	486	60%	70%	60%	30%	30%		

Summary of Estimating Approach for Students

Numbers of Full Time and Part Time students were derived from official 45-day Spring & Fall head count of all students, (without FT & PT separated).

Then estimates of FT:PT ratios from CRS were used to generate separate FT & PT numbers from the combined counts.

2001 - 2010 from ave of Spring + Fall CRS data at link below using Full:Part Time ratio to right of table above.

maricopa.edu/business/ir/trends/HTML/Fall45_GC.htm

http://www.maricopa.edu/business/ir/trends/HTML/Spring45_GC.htm

1990 - 2000 from CRS data, as shown at left of table, using Full:Part Time ratio to right of table.

1990 - 2000 from CRS data, as shown at left of table, using Full:Part Time ratio to right of table.

1990-1995 are Estimated as the average of 1996 & 1997

From Jim e-mail

Full Time Faculty from wgf_brdemps_counts from MCCCC Personnel.

Full:Part Time ratio from BOEXI all faculty minus Full Time, averaging 2009 & 2010 for years prior to 2009. (Approx. 70% Part Time for all years.)

% of Part Time Faculty counted for GHGI data entry shown to right of table.

See "Population Detail" worksheet for more detail.

Full Time Staff from wgf_brdemps_counts from MCCCC Personnel.

% of staff assumed to be Part Time shown to right of table. (Based on unofficial conversation with Human Resources, in the absence of response to formal request.)

% of Part Time staff counted for GHGI data entry shown to right of table.

1990-2001 are estimated at 450, since little change.

See "Population Detail" worksheet for more detail.

Summary of Estimating Approach for Faculty & Staff

Total Faculty & Staff numbers were derived from MCCCC counts of Full Time Faculty and Staff.

Then estimates of FT:PT ratios were made as described in the comments under columns, (see also "Population Detail" worksheet), and used to generate combined FT & PT numbers from the FT counts, as required by the CCC workbook; they are not broken out into PT & FT as students are.

Glendale Community College GHG Emissions Data Collection

03 - Physical Size (Al Gonzales)

Completed by (name): Al Gonzales

Instructions in blue. Comments in gray. Complete data in black. Estimated data and associated comments & assumptions in red.

Estimates made by Mary Harris, where there is missing or incomplete data. Any assumptions made are documented on relevant worksheets. (April 16, 201

Note: All these worksheets should print in landscape mode, but a bug in Excel means that this is sometimes "forgotten" and it reverts to portrait mode.

Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

Data Category:	Institutional Data	
Data Sub-Category:	Physical Size	
CCC Spreadsheet Column:	L	M
Data Description:	Total Building Space	Total Research Building Space
Units for Data Values:	Square feet	Square feet
1990	484,346	0
1991	489,045	0
1992	489,045	0
1993	489,045	0
1994	489,045	0
1995	495,213	0
1996	495,213	0
1997	495,213	0
1998	549,323	0
1999	549,323	0
2000	627,112	0
2001	627,112	0
2002	644,537	0
2003	657,853	0
2004	657,853	0
2005	657,853	0
2006	657,853	0
2007	657,853	0
2008	657,853	0
2009	787,536	0
2010	811,576	0

Interesting to see the increase in space per student. How much is classroom, communal space, staff, faculty?

Sq. Ft. /Student	Total students from "02 Population" worksheet
27.24	17,783
27.23	17,959
26.83	18,225
27.73	17,636
28.31	17,275
28.42	17,425
29.30	16,904
29.58	16,740
31.87	17,238
29.56	18,583
33.18	18,903
33.35	18,807
33.66	19,149
32.88	20,009
32.58	20,192
33.54	19,612
35.44	18,564
36.57	17,989
37.45	17,567
42.14	18,688
39.99	20,296

From Al

From Al

Tot Students/Tot Bldg Space

Glendale Community College GHG Emissions Data Collection

04 - Campus Operations Emissions (Al Gonzales, Jeff Glemba, Doug Desanti, Patti Judd)

Completed by (name): [Redacted]

Instructions in blue. Comments in gray. Complete data in black. Estimated data and associated comments & assumptions in red.
 Estimates made by Mary Harris, where there is missing or incomplete data. Any assumptions made are documented on relevant worksheets. (April 16, 2011)
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 Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

NOTE: If the "Other Co-Gen Fuel Type" is needed, additions to this spreadsheet will be required, so tell Mary Harris. In the meantime, clicking the link will give an idea of what entries will be needed.

NOTE: Click Data Description cells below for Refrigerants & Chemicals and select from drop-down list.

Data Category:	On-Campus Stationary Sources							Direct Transportation Sources				Refrigerants & Chemicals						Agriculture Sources			
	On-Campus Co-Generation Plant(s)			Other On-Campus Stationary Sources				University Fleet				Refrigerants & Chemicals						Fertilizer Application			
CCC Spreadsheet Column:	Y	Z	AB	AD	AE	AF	AG	AP	AQ	AR	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI
Data Description:	Other Co-Gen Fuel Type	Electric Output	Electric Efficiency	Residual Oil (#5-6)	Distillate Oil (#1-4)	Natural Gas	LPG (Propane)	Gasoline Fleet	Diesel Fleet	Natural Gas Fleet	Electric Fleet	HFC-134a	HFC-404a	HCFC-22	HCFE-235da2	HG-10	Other	Synthetic	% Nitrogen	Organic	% Nitrogen
Units for Data Values:	MMBtu	kWh	%	Gallons	Gallons	MMBtu	Gallons	Gallons	Gallons	MMBtu	kWh	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	%	Pounds	%
1990						5,551	192	8,338	4,131									27,090	19%		
1991						5,551	192	8,338	4,131									27,090	19%		
1992						5,551	192	8,338	4,131									27,090	19%		
1993						5,551	192	8,338	4,131									27,090	19%		
1994						5,551	192	8,338	4,131									27,090	19%		
1995						5,551	192	8,338	4,131									27,090	19%		
1996						5,551	192	8,338	4,131									27,090	19%		
1997						5,551	192	8,338	4,131									27,090	19%		
1998						5,551	192	8,338	4,131									27,090	19%		
1999						5,551	192	8,338	4,131									27,090	19%		
2000						6,152	192	8,496	4,131									27,090	19%		
2001						3,937	192	9,050	4,131									27,090	19%		
2002						6,564	192	7,469	4,131									27,090	19%		
2003						5,996	192	6,257	4,131									27,090	19%		
2004						6,352	192	6,525	4,131									27,090	19%		
2005						5,696	192	6,756	4,131									27,090	19%		
2006						4,020	192	5,229	6,072									33,100	21%		
2007						6,281	192	6,954	3,800									25,700	18%		
2008						5,383	192	7,227	2,520									22,470	19%		
2009						6,229	192	8,243	4,782									44,820	12%		
2010						6,975	197	10,139	5,810									32,820	5%		

None per Al end March	None per Brett Garwood 11 Feb	N/A per Brett Garwood 11 Feb	N/A per Al	N/A per Al	Al Estimates for 1990 - 1999 are based on an average of 2000 - 2002. 2000 - 2007 are from the Yantas document.	Al per 4/8 email Estimate 192 for 1990 - 2008 = 2009.	Al + Jeff + Doug Estimates for 1990 - 1999 are based on an average of 2000 - 2002	Al + Doug Estimates for 1990 - 2005 are based on an average of 2006 - 2008	N/A per Al	Per Al, this shows up under purchased electricity	From Al APR 14 2006 - 2010 shown as 5,620 1997 - 2005 shown as 2,270 1990 - 1996 shown as ""NA"" Assume one-time charges with no	From Al APR 14 All shown as "NA".	Al sent number of 591 for 1997 - 2010 on April 14, but this was one-time charge; not annual re-charging for leakage, so zero is assumed.	From Al APR 14 All shown as "NA".	From Al APR 14 All shown as "NA".	From Al APR 14 63 for 2009 & 2010. What "other" chemical is this? Assumed to be one-time charge and not leakage. 1990 - 2008 were given	Al Apr 5 e-mail	Al Apr 5 e-mail	Per Al, this was not used 1990 - 2010.	Per Al, this was not used 1990 - 2010.
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Definition of MMBTU: [http://www.energyvortex.com/energydictionary/british_thermal_unit_\(btu\)_mbtu_mmbtu.html](http://www.energyvortex.com/energydictionary/british_thermal_unit_(btu)_mbtu_mmbtu.html)

Glendale Community College GHG Emissions Data Collection

05 - Purchased Electricity (Al Gonzales)

Completed by (name):

Instructions in blue. Comments in gray. **Complete data in black.** **Estimated data and associated comments & assumptions in red.**
 Estimates made by Mary Harris, where there is missing or incomplete data. Any assumptions made are documented on relevant worksheets. (April 16, 2011)
 Note: All these worksheets should print in landscape mode, but a bug in Excel means that this is sometimes "forgotten" and it reverts to portrait mode.
Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

- (1) Enter utility company contact information in the cells below for future reference.
- (2) Fill in the "Total Electricity Purchased" column. (If data not available for some years, explain why.)
- (3) Fill in the percentages in green cells for each year that the utility company provides fuel mix information. (May be none.) If this is not done, the average fuel mix for a large area of the US Southwest will be used, which may differ significantly from the true numbers. (You may leave any non-applicable cells blank; you do not have to enter zero.) If the utility company provides GHG emissions per kWh, please enter this in the right-hand column.
- (4) Check that all cells in the "Total Percentage" column show 100%.

Utility Company Name:	SRP
Relevant Department:	???
Contact Name:	???
Contact Title/Function:	???
Contact Phone:	???
Contact E-mail:	???
Relevant url for info:	???
Contact street address:	???

Give reasons for missing data, i.e., years with only red estimates:

1990 - 1993 ???
1998 - 1999 data missing
2001 missing Jan, Feb, Mar
2002 missing Apr, Sep, Jan

Describe "Other":

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For GHGI Spreadsheet Column BR		NOTE: This form is from worksheet "CustFuelMix" on the CCC.												GHG emissions per kWh
Fiscal Year	Total Electricity Purchased	Purchased on Grid	Coal	Natural Gas	Distillate Oil (#1-#4)	Residual Oil (#5-#6)	Nuclear	Waste to Energy	Hydro-Electric	Biomass	Renewable (wind, solar)	Other	Total Percentage	GHG emissions per kWh
	(kWh)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	MT eCO2
1990	12,108,477	100%											100%	
1991	12,225,950	100%											100%	
1992	12,225,950	100%											100%	
1993	12,225,950	100%											100%	
1994	12,225,950	100%											100%	
1995	14,331,321	100%											100%	
1996	14,969,420	100%											100%	
1997	12,353,247	100%											100%	
1998	14,733,322	100%											100%	
1999	14,733,322	100%											100%	
2000	15,950,750	100%											100%	
2001	15,659,870	100%											100%	
2002	15,944,243	100%											100%	
2003	17,308,728	100%											100%	
2004	16,948,889	100%											100%	
2005	16,004,360	100%											100%	
2006	17,169,842	100%											100%	
2007	15,527,525	100%											100%	
2008	16,960,761	100%											100%	
2009	17,076,653	100%											100%	
2010	18,433,929	100%											100%	

1990 Estimate = 1991 adjusted for smaller building space in 1990.

1991 - 1993 Estimates = 1994, since same building size.

1998 - 1999 Estimates are the average of 1996, 1997, 2000, & 2002.

2001-2002 from Yantas document.

2009 Estimate is the average of 2008 & 2010.

Glendale Community College GHG Emissions Data Collection

07 - Financed Travel (Herman Gonzalez, Ken Bus)

Completed by (name):

Instructions in blue. Comments in gray. **Complete data in black.** **Estimated data and associated comments & assumptions in red.**
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Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

This table is linked from the "02 Population" worksheet for reference only.

Data Category:	Directly Financed Outsourced Travel					Study Abroad Travel
Data Sub-Category:	Air Travel		Other			
CCC Spreadsheet Column:	CC	CD	CF	CG	CI	CJ
Data Description:	Faculty / Staff	Students	Taxi / Ferry / Rental Car	Bus	Personal Mileage Reimbursement	Air
Units for Data Values:	Miles	Miles	Miles	Miles	Miles	Miles
1990	967,062	76,500			10,708	
1991	967,062	76,500			10,708	
1992	967,062	76,500			10,708	
1993	967,062	76,500			10,708	
1994	967,062	81,000			10,708	
1995	967,062	72,000			10,708	
1996	967,062	126,000			10,708	
1997	967,062	216,000			10,708	
1998	967,062	315,000			13,095	
1999	967,062	360,000			18,117	
2000	967,062	441,000			12,371	
2001	967,062	423,000			15,065	
2002	954,841	414,000			7,824	
2003	971,506	324,000			5,475	
2004	974,839	324,000			6,003	
2005	1,024,834	342,000			6,915	
2006	998,170	342,000			10,035	
2007	988,171	405,000			7,292	
2008	1,050,583	396,000			4,065	
2009	1,017,253	423,000			5,043	
2010	1,010,587	423,000			1,942	

Data Category:	Institutional Data					
Data Sub-Category:	Population					
CCC Spreadsheet Column:	G	H	I	J	K	
Data Description:	Full-Time Students	Part-Time Students	Summer Schl Students	Faculty	Staff	Faculty + Staff
Units for Data Values:	#	#	#	#	#	
1990	5,335	12,448	1,704	450	450	900
1991	5,388	12,571	1,704	450	450	900
1992	5,468	12,758	1,704	450	450	900
1993	5,291	12,345	1,704	450	450	900
1994	5,182	12,092	1,704	450	450	900
1995	5,228	12,198	1,704	450	450	900
1996	5,071	11,832	1,880	450	450	900
1997	5,022	11,718	1,527	450	450	900
1998	5,171	12,067	1,463	450	450	900
1999	5,575	13,008	1,588	450	450	900
2000	5,671	13,232	1,438	450	450	900
2001	5,642	13,165	1,342	450	450	900
2002	5,745	13,404	1,546	449	447	895
2003	6,003	14,006	1,421	451	463	913
2004	6,057	14,134	1,553	468	465	933
2005	5,884	13,728	1,318	474	468	943
2006	5,569	12,995	1,325	471	490	961
2007	5,397	12,592	1,179	473	477	950
2008	6,148	11,418	1,234	473	510	983
2009	7,475	11,213	1,408	454	502	956
2010	8,118	12,178	1,402	468	486	954

Note 1 + Faculty/Staff
 Int'l air travel for 2008 - 2010 only; from Ken
 From Ken; Int'l students
 Herman
 Herman
 From Herman
 Ken says none

1990-2001 use ave of 2002-2004
 1990-1993 use ave of 1994-1995.

1990-1996 use 1997 number.

2002	148,255
2003	148,255
2004	148,255
2005	148,255
2006	148,255
2007	148,255
2008	187,336
2009	14,088
2010	109,174

Int'l air travel: 2002-2007 use ave of 2008 & 2010. (2009 was unusual.)

NOTE 1: Full Time Faculty are entitled to \$3,000/yr. for FPG T&L. Therefore assume:	
Ave usage per faculty member (U):	\$ 2,000
# Faculty (F):	(List at right)
% spent on air travel (A):	33.33%
Cost per round-trip by air (C):	\$ 300
Miles per round trip (M):	1500
which leads to the formula:	
$(U * F * A / C) * M$ miles	

Summary of Estimating Approach

Faculty air travel is estimated based on the \$3,000/yr. for FPG T&L. Assumptions were made about how much of this allowance is spent on average per Faculty member, how much of that is for air travel, etc. (See NOTE 1 in red for details.)

Glendale Community College GHG Emissions Data Collection

08 - Solid Waste (Al Gonzales)

Completed by (name): **Chanda Fraulino**

Instructions in blue. Comments in gray. Complete data in black. Estimated data and associated comments & assumptions in red.

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Note: All these worksheets should print in landscape mode, but a bug in Excel means that this is sometimes "forgotten" and it reverts to portrait mode.

Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

Data Category:	Solid Waste	
Data Sub-Category:	Landfilled Waste	
CCC Spreadsheet Column:	CM	
Data Description:	No CH4 Recovery	
Units for Data Values:	Short Tons	
1990	556	18,683
1991	561	18,859
1992	569	19,125
1993	551	18,536
1994	541	18,175
1995	545	18,325
1996	530	17,804
1997	525	17,640
1998	539	18,138
1999	580	19,483
2000	589	19,803
2001	584	19,707
2002	599	20,044
2003	622	20,922
2004	620	21,124
2005	627	20,555
2006	573	19,525
2007	532	18,938
2008	635	18,550
2009	510	19,644
2010	526	21,250

Al

1990 - 2007 Estimates use the ave of 2008 - 2010, proportional to total campus population.

A short ton is 2,000 lbs.

Glendale Community College GHG Emissions Data Collection

09 - Paper (Herman Gonzalez, Doreen Harris)

Completed by (name): Doreen Harris IKON

Instructions in blue. Comments in gray. Complete data in black. Estimated data and associated comments & assumptions in red.

Estimates made by Mary Harris, where there is missing or incomplete data. Any assumptions made are documented on relevant worksheets. (April 16, 2011)

Note: All these worksheets should print in landscape mode, but a bug in Excel means that this is sometimes "forgotten" and it reverts to portrait mode.

Instructions for data entry: Enter data only in the green-shaded cells. Explain if any cells are not entered.

Data Category:	Paper (Select type from drop-down list at right of cells below, & enter percent recycled as a number between 0 and 1 in cells 2 rows below that.)				
Data Sub-Category:	Uncoated Freesheet	Uncoated Freesheet	Uncoated Freesheet	Uncoated Freesheet	Uncoated Freesheet
CCC Spreadsheet Column:	CT	CT	CV	CW	CX
Data Description:	0% Recycled	0% Recycled	50% Recycled	75% Recycled	100% Recycled
Units for Data Values:	Sheets	lbs	lbs	lbs	lbs
	(This is the data submitted before conversion.)	Using conversions to right of table			
1990		78,998	0	0	0
1991		79,737	0	0	0
1992		80,868	0	0	0
1993		78,382	0	0	0
1994		76,829	0	0	0
1995		77,499	0	0	0
1996		75,305	0	0	0
1997		74,493	0	0	0
1998		76,807	0	0	0
1999		82,442	0	0	0
2000		83,249	0	0	0
2001		84,118	0	0	0
2002		84,631	0	0	0
2003	12,448,343	86,309	0	0	0
2004	13,571,143	94,093	0	0	0
2005	12,103,240	83,916	0	0	0
2006	12,196,999	84,566	0	0	0
2007	10,210,661	70,794	0	0	0
2008	9,700,452	67,256	0	0	0
2009	10,373,598	71,924	0	0	0
2010	9,748,768	67,591	0	0	0

Available Paper Types

Uncoated Freesheet	18,683
Coated Freesheet	18,859
Uncoated Groundwood	19,125
Coated Groundwood	18,536
Supercalendered	18,175
Corrugated: Unbleached	18,325
Corrugated: Semibleached	17,804
Corrugated: Bleached	17,640
Paperboard: SBS	18,138
Paperboard: CUK	19,483
Paperboard: Uncoated Bleached Kraft	19,803
Paperboard: Uncoated Unbleached Kraft	19,707
Paperboard: Coated Recycled	20,044
	20,922
	21,124
	20,555
500 sheet = 1 ream of paper	19,525
10 reams = 1 case	18,938
15 cases = 1 pallet	18,550
1 case = 52 lbs	19,644
1 pallet = 780 lbs	21,250

Total Campus Population (Students + Faculty + Staff)

Doreen Doreen Herman, Doreen Herman, Doreen Herman, Doreen

Doreen's data submitted in sheets; converted to lbs as required by using conversion factors to bottom-right of table.

1990 - 2002 Estimated at ave of 2003 - 2005 proportional to total campus population.