

Washington State Agency Greenhouse Gas Calculator

Greenhouse Gas Emissions Summary #5

Agency Seattle Central College

CY: 2005

Table 14: Total Annual Agency GHG Emissions			Percent of Total Emissions	Total Emissions MT CO2e	Fossil MT CO2 (CO2e)	MT CH4 (CO2e)	MT N2O (CO2e)	MT HFCs (CO2e)	Biomass MT CO2 (CO2e)**
BUILDING ENERGY USE									
	Stationary Combustion	10.0%	334.3	332.5	0.1	1.7	N/A		0.0
	Purchased Electricity	4.7%	159.1	0.0	0.0	0.0	N/A		0.0
	Purchased Steam	34.7%	1,164.6	1,164.6	0.0	0.0	N/A		0.0
TOTAL BUILDING ENERGY USE GHG EMISSIONS*			49.5%	1,658.0	1,497.1	0.1	1.7	N/A	0.0

FLEET ENERGY USE									
	On-road light duty	0.7%	22.4	20.6	0.0	0.2	1.6		1.4
	On-road heavy duty	0.0%	0.0	0.0	0.0	0.0	0.0		0.0
	Off-road	0.0%	0.0	0.0	0.0	0.0	0.0		0.0
	Ferry	0.0%	0.0	0.0	0.0	0.0	0.0		0.0
	Boat	1.4%	45.8	45.0	0.1	0.6	0.0		0.9
	Air	0.0%	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL FLEET GHG EMISSIONS			2.0%	68.2	65.6	0.1	0.8	1.7	2.3

EMPLOYEE BUSINESS TRAVEL AND COMMUTING									
	Employee Business Travel	8.3%	276.9	271.9	0.4	3.4	1.3		1.3
	Employee Commuting***	40.2%	1,349.0	1,343.7	1.4	3.9	0.0		66.1
TOTAL BUSINESS TRAVEL AND COMMUTING EMISSIONS			48.5%	1,625.9	1,615.6	1.7	7.3	1.3	67.4

TOTAL EMISSIONS			100%	3,352.2	3,178.4	2.0	9.7	3.0	69.7
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* Note this does not include energy use in buildings owned by Dept. of Enterprise Services.

**Biomass CO2 emissions are reported separately and are not included in the total emissions.

***Emissions from commuting are reported in CO2e. Emissions by gas are estimated for CO2, CH4, N2O, and biomass CO2.

Table 15: GHG Emissions by Scope		
Scope	Total (MT CO2e)	%
Scope 1 (Direct)	402.5	12.0%
Scope 2 (Indirect)	1,323.7	39.5%
Scope 3 (Other Indirect)	1,625.9	48.5%

Table 16: % of GHG Emissions by Source	
Source of Greenhouse Gas Emissions	Percent of Greenhouse Gas Emissions
Stationary Combustion (i.e. natural gas)	10%
Purchased Electricity	5%
Purchased Steam	35%
On-road light duty	1%
On-road heavy duty	0%
Off-road	0%
Ferry	0%
Boat	1%
Air	0%
Employee Business Travel	8%
Employee Commuting	40%

