

Washington State Agency Greenhouse Gas Calculator

Greenhouse Gas Emissions Summary #5

Agency Seattle Central College

CY: 2015

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	26.6%	770.2	766.0	0.3	3.9	N/A		0.0
	Purchased Electricity	5.7%	163.7	0.0	0.0	0.0	N/A		0.0
	Purchased Steam	27.8%	803.4	803.4	0.0	0.0	N/A		0.0
TOTAL BUILDING ENERGY USE GHG EMISSIONS*		60.1%	1,737.3	1,569.4	0.3	3.9	N/A		0.0
FLEET ENERGY USE									
	On-road light duty	0.8%	22.4	20.6	0.0	0.2	1.6		1.5
	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	1.3%	38.7	38.0	0.1	0.5	0.0		0.7
	Air	0.0%	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL FLEET GHG EMISSIONS		2.1%	61.1	58.6	0.1	0.7	1.7		2.2
EMPLOYEE BUSINESS TRAVEL AND COMMUTING									
	Employee Business Travel	6.3%	180.7	177.1	0.2	2.1	1.3		1.2
	Employee Commuting***	31.5%	911.0	907.5	0.9	2.6	0.0		44.6
TOTAL BUSINESS TRAVEL AND COMMUTING EMISSIONS		37.8%	1,091.7	1,084.5	1.2	4.8	1.3		45.9
TOTAL EMISSIONS		100%	2,890.1	2,712.6	1.6	9.3	3.0		48.1

* 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)	831.3	28.8%
Scope 2 (Indirect)	967.1	33.5%
Scope 3 (Other Indirect)	1,091.7	37.8%

Table 16: % of GHG Emissions by Source	
Source of Greenhouse Gas Emissions	Percent of Greenhouse Gas Emissions
Stationary Combustion (i.e. natural gas)	27%
Purchased Electricity	6%
Purchased Steam	28%
On-road light duty	1%
On-road heavy duty	0%
Off-road	0%
Ferry	0%
Boat	1%
Air	0%
Employee Business Travel	6%
Employee Commuting	32%

