

Washington State Agency Greenhouse Gas Calculator

Greenhouse Gas Emissions Summary #5

Agency Seattle Central College

CY: 2016

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	27.6%	845.6	841.0	0.4	4.3	N/A	0.0	0.0
	Purchased Electricity	5.4%	163.9	0.0	0.0	0.0	N/A	0.0	0.0
	Purchased Steam	25.4%	778.1	778.1	0.0	0.0	N/A	0.0	0.0
TOTAL BUILDING ENERGY USE GHG EMISSIONS*		58.4%	1,787.6	1,619.0	0.4	4.3	N/A	0.0	0.0
FLEET ENERGY USE									
	On-road light duty	0.7%	22.4	20.6	0.0	0.2	1.6	1.4	0.0
	On-road heavy duty	0.0%	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	0.0
	Ferry	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Boat	1.5%	45.8	45.0	0.1	0.6	0.0	0.9	0.0
	Air	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL FLEET GHG EMISSIONS		2.2%	68.2	65.6	0.1	0.8	1.7	2.3	0.0
EMPLOYEE BUSINESS TRAVEL AND COMMUTING									
	Employee Business Travel	9.7%	295.7	290.3	0.4	3.6	1.4	1.4	0.0
	Employee Commuting***	29.7%	911.0	907.5	0.9	2.6	0.0	44.6	0.0
TOTAL BUSINESS TRAVEL AND COMMUTING EMISSIONS		39.4%	1,206.7	1,197.8	1.3	6.2	1.4	46.0	0.0
TOTAL EMISSIONS		100%	3,062.5	2,882.4	1.8	11.3	3.1	48.3	0.0

* 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)	913.8	29.8%
Scope 2 (Indirect)	942.0	30.8%
Scope 3 (Other Indirect)	1,206.7	39.4%

Table 16: % of GHG Emissions by Source	
Source of Greenhouse Gas Emissions	Percent of Greenhouse Gas Emissions
Stationary Combustion (i.e. natural gas)	28%
Purchased Electricity	5%
Purchased Steam	25%
On-road light duty	1%
On-road heavy duty	0%
Off-road	0%
Ferry	0%
Boat	1%
Air	0%
Employee Business Travel	10%
Employee Commuting	30%

