

Washington State Agency Greenhouse Gas Calculator

Greenhouse Gas Emissions Summary #5

Agency Seattle Central College

CY: 2007

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	28.6%	697.6	693.8	0.3	3.5	N/A	0.0	
Purchased Electricity	7.0%	171.5	0.0	0.0	0.0	N/A	0.0	
Purchased Steam	48.8%	1,189.8	1,189.8	0.0	0.0	N/A	0.0	
TOTAL BUILDING ENERGY USE GHG EMISSIONS*	84.4%	2,058.9	1,883.6	0.3	3.5	N/A	0.0	

FLEET ENERGY USE								
On-road light duty	0.9%	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	1.9%	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	2.8%	68.2	65.6	0.1	0.8	1.7	2.3	

EMPLOYEE BUSINESS TRAVEL AND COMMUTING								
Employee Business Travel	12.8%	311.1	304.5	0.4	3.5	2.7	2.6	
Employee Commuting***	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL BUSINESS TRAVEL AND COMMUTING EMISSIONS	12.8%	311.1	304.5	0.4	3.5	2.7	2.6	

TOTAL EMISSIONS	100%	2,438.2	2,253.8	0.8	7.8	4.4	4.9
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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)	765.8	31.4%
Scope 2 (Indirect)	1,361.3	55.8%
Scope 3 (Other Indirect)	311.1	12.8%

Table 16: % of GHG Emissions by Source	
Source of Greenhouse Gas Emissions	Percent of Greenhouse Gas Emissions
Stationary Combustion (i.e. natural gas)	29%
Purchased Electricity	7%
Purchased Steam	49%
On-road light duty	1%
On-road heavy duty	0%
Off-road	0%
Ferry	0%
Boat	2%
Air	0%
Employee Business Travel	13%
Employee Commuting	0%

