

## Appendix D) Greenhouse Gas Emission Calculations

Table 2.5.3f Mobile Source Fuel Combustion and Miles Travelled

Source ID	Source Description	Vehicle Type	Vehicle Year	Fuel Usage	Units	Miles Traveled
Fleet-012	HQ Fleet	Diesel Heavy-Duty Vehicles	1990	500	gal	3.600
Trucks diesel	Trucks diesel	Diesel Light-Duty Trucks	2005	410.761	Gal	8.051.400
Put.vozila1	Passenger Cars petrol	Gasoline Passenger Cars	2005	877.253	Gal	20.440.000
Put.vozila2	Passenger Cars diesel	Diesel Passenger Cars	2005	1.049.570	Gal	24.455.000

Table 7.5.3g Reference Table: Average Fuel Economy by Vehicle Type

Vehicle Type	Average Fuel Economy (mpg)
Passenger Cars	23,3
Motorcycles	43,5
Diesel Buses (Diesel Heavy-Duty Vehicles)	7,2
Other 2-axle, 4-Tire Vehicles	17,1
Single unit 2-Axle 6-Tire or More Trucks	7,3
Combination Trucks	5,8

Table 7.5.3h Total Company-Wide Mobile Source Fuel Usage and CO<sub>2</sub> Emissions (Highway and Non-Highway Vehicles)

Fuel Type	Fuel Usage	Units	CO <sub>2</sub> (kg)
Motor Gasoline	0	gallons	0,0
Diesel Fuel	1.460.331	gallons	14.909.979,5
Residual Fuel Oil (#5, & 6)	0	gallons	0,0
Aviation Gasoline	0	gallons	0,0
Jet Fuel	0	gallons	0,0
Liquefied Petroleum Gas (LPG)	0	gallons	0,0
Ethanol (Gasoline Component Only)	0	gallons	0,0
Biodiesel (Diesel Component Only)	0	gallons	0,0
Liquefied Natural Gas (LNG)	0	gallons	0,0

Table 7.5.3i Total Company-Wide Highway Gasoline Mobile Source Mileage and CH<sub>4</sub>/N<sub>2</sub>O Emissions

Vehicle Type	Vehicle Year	Mileage (miles)	CH <sub>4</sub> (g)	N <sub>2</sub> O (g)
Gasoline Passenger Cars	1984-1993	0	0,0	0,0
	2005	20.440.000	300.468,0	161.476,0
	2006	0	0,0	0,0

Table 7.5.3j Total Company-Wide Highway Non-Gasoline Mobile Source Mileage and CH<sub>4</sub>/N<sub>2</sub>O Emissions

Vehicle Type	Vehicle Year	Mileage (miles)	CH <sub>4</sub> (g)	N <sub>2</sub> O (g)
Diesel Passenger	1960-1982	0	0,0	0,0

Cars				
	1983-present		24.455.000	12.227,5
Diesel Light-Duty Trucks				
	1960-1982		0	0,0
	1983-1995		0	0,0
	1996-present		8.051.400	8.051,4
				12.077,1

Total CO <sub>2</sub> Equivalent Emissions (metric tons) - Mobile Sources	14.977,0
Total Biomass CO <sub>2</sub> Equivalent Emissions (metric tons) - Mobile Sources	0,0