

Appendix D

Energy Calculations

City of Piedmont Operational Energy

Last Updated: 7/7/23

Populate one of the following tables (Leave the other blank):

Annual VMT	OR	Daily Vehicle Trips
Annual VMT: 19,062,125		Daily Vehicle Trips: Average Trip Distance:

Fleet Class	Fleet Mix	Fuel Economy (MPG) [1]	
Light Duty Auto (LDA)	0.511648	Passenger Vehicles	24.1
Light Duty Truck 1 (LDT1)	0.036178	Light-Med Duty Trucks	17.6
Light Duty Truck 2 (LDT2)	0.234107	Heavy Trucks/Other	7.5
Medium Duty Vehicle (MDV)	0.131226	Motorcycles	44
Light Heavy Duty 1 (LHD1)	0.025033		
Light Heavy Duty 2 (LHD2)	0.006252		
Medium Heavy Duty (MHD)	0.014764		
Heavy Heavy Duty (HHD)	0.014548		
Other Bus (OBUS)	0.000881		
Urban Bus (UBUS)	0.000006		
Motorcycle (MCY)	0.022193		
School Bus (SBUS)	0.000472		
Motorhome (MH)	0.001956		

Fleet Mix					
Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)
Passenger Vehicles	51.16%	Gasoline	9,753,104	0.00	404,693
Light-Medium Duty Trucks	40.15%	Gasoline	7,653,658	0.00	434,867
Heavy Trucks/Other	6.39%	Diesel	1,218,315	0.00	162,442
Motorcycle	2.22%	Gasoline	423,047	0.00	9,615

Total Gasoline Consumption (gallons)	849,175
Total Diesel Consumption (gallons)	162,442

Sources:

[1] United States Department of Transportation, Bureau of Transportation Statistics. 2021. National Transportation Statistics. Available at: <https://www.bts.gov/topics/national-transportation-statistics>.