

Appendix C

Energy Calculations

San Ramon 2040 General Plan - Existing (2022)

Last Updated: June 5, 2023

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

Annual VMT	OR	Daily Vehicle Trips
Annual VMT: 4,491,900		Daily Vehicle Trips: Average Trip Distance:

Fleet Class	Fleet Mix	Fuel Economy (MPG) [1]
Light Duty Auto (LDA)	0.553951	Passenger Vehicles 25.3
Light Duty Truck 1 (LDT1)	0.056244	Light-Med Duty Trucks 18.6
Light Duty Truck 2 (LDT2)	0.181537	Heavy Trucks/Other 7.6
Medium Duty Vehicle (MDV)	0.131938	Motorcycles 44
Light Heavy Duty 1 (LHD1)	0.024760	
Light Heavy Duty 2 (LHD2)	0.005449	
Medium Heavy Duty (MHD)	0.007285	
Heavy Heavy Duty (HHD)	0.007018	
Other Bus (OBUS)	0.000560	
Urban Bus (UBUS)	0.000348	
Motorcycle (MCY)	0.026165	
School Bus (SBUS)	0.001150	
Motorhome (MH)	0.003595	

Fleet Mix					
Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)
Passenger Vehicles	55.40%	Gasoline	2,488,292	0.00	98,351
Light-Medium Duty Trucks	36.97%	Gasoline	1,660,741	0.00	89,287
Heavy Trucks/Other	5.02%	Diesel	225,336	0.00	29,649
Motorcycle	2.62%	Gasoline	117,531	0.00	2,671

Total Gasoline Consumption (gallons)	190,310
Total Diesel Consumption (gallons)	29,649

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>.

San Ramon 2040 General Plan - Buildout (2040)

Last Updated: June 5, 2023

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

Annual VMT	OR	Daily Vehicle Trips
Annual VMT: 5,313,500		Daily Vehicle Trips: Average Trip Distance:

Fleet Class	Fleet Mix	Fuel Economy (MPG) [1]
Light Duty Auto (LDA)	0.586846	Passenger Vehicles 25.3
Light Duty Truck 1 (LDT1)	0.055769	Light-Med Duty Trucks 18.6
Light Duty Truck 2 (LDT2)	0.172135	Heavy Trucks/Other 7.6
Medium Duty Vehicle (MDV)	0.114924	Motorcycles 44
Light Heavy Duty 1 (LHD1)	0.020756	
Light Heavy Duty 2 (LHD2)	0.005707	
Medium Heavy Duty (MHD)	0.006953	
Heavy Heavy Duty (HHD)	0.006514	
Other Bus (OBUS)	0.000528	
Urban Bus (UBUS)	0.000264	
Motorcycle (MCY)	0.024576	
School Bus (SBUS)	0.002469	
Motorhome (MH)	0.002558	

Fleet Mix					
Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)
Passenger Vehicles	58.68%	Gasoline	3,118,206	0.00	123,249
Light-Medium Duty Trucks	34.28%	Gasoline	1,821,617	0.00	97,936
Heavy Trucks/Other	4.57%	Diesel	243,087	0.00	31,985
Motorcycle	2.46%	Gasoline	130,585	0.00	2,968

Total Gasoline Consumption (gallons)	224,153
Total Diesel Consumption (gallons)	31,985

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>.