

Transportation Legislation - Activity	-	(3)	(30)	(91)	(150)	(194)
Transportation Legislation - Tailpipe	-	3,327	11,095	24,627	36,980	45,675
California RPS	-	1	13	57	122	194

On-road Buses

GI (miles/house)	78.49	78.49	78.49	78.49	78.49	78.49
Houses	57,595	59,966	63,233	64,153	64,331	64,440
Bus VMT (miles)	4,520,550	4,706,607	4,963,049	5,035,278	5,049,249	5,057,804

BAU

Bus Total VMT (miles)	4,520,550	4,706,607	4,963,049	5,035,278	5,049,249	5,057,804
Bus EV Share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bus EPM (kWh/EV-mile)	-	-	-	-	-	-
Bus EVMT (kWh)	0	0	0	0	0	0
2019 Bus EF (MT CO2e/mile)	0.001511	0.001511	0.001511	0.001511	0.001511	0.001511
2019 PG&E/3CE EF (MT CO2e/MWh)	0.005499	0.005499	0.005499	0.005499	0.005499	0.005499
Bus VMT Emissions (MT CO2e)	6,831	7,112	7,499	7,608	7,629	7,642
Bus EVMT Emissions (MT CO2e)	-	-	-	-	-	-
Total Emissions (MT CO2e)	6,831	7,112	7,499	7,608	7,629	7,642

Adjusted for Transportation Legislation and California RPS

Bus Total VMT (miles)	4,520,550	4,706,607	4,963,049	5,035,278	5,049,249	5,057,804
Bus EV Share	0.00%	0.22%	4.26%	32.48%	53.61%	66.37%
Bus EPM (kWh/EV-mile)	-	1.075	1.425	1.620	1.634	1.631
Bus EVMT (kWh)	0	11,377	301,443	2,649,343	4,423,907	5,476,397
Bus EF (MT CO2e/mile)	0.001511	0.001350	0.001237	0.000863	0.000556	0.000388
PG&E/3CE EF (MT CO2e/MWh)	0.005499	0.004096	0.003081	0.002054	0.001027	-
Bus VMT Emissions (MT CO2e)	6,831	6,354	6,139	4,345	2,807	1,962
Bus EVMT Emissions (MT CO2e)	-	0.047	0.929	5.442	4.543	-
Total Emissions (MT CO2e)	6,831	6,354	6,140	4,351	2,812	1,962

Reductions (MT CO2e)

Transportation Legislation - Activity	-	(0)	(2)	(15)	(24)	(30)
Transportation Legislation - Tailpipe	-	758	1,360	3,263	4,822	5,680
California RPS	-	0	1	9	20	30

Waste**BAU**

GI (MT CO2e/SP)	0.1849	0.1849	0.1849	0.1849	0.1849	0.1849
Service Population	178,417	180,423	181,615	182,670	183,827	185,024
Emissions (MTCO2e)	32,989	33,360	33,580	33,775	33,989	34,210

Wastewater**BAU**

GI (MT CO2e/SP)	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161
Service Population	178,417	180,423	181,615	182,670	183,827	185,024
Emissions (MTCO2e)	2,874	2,907	2,926	2,943	2,961	2,981

Off-road Transportation**Diesel**

Fuel use (gallons)	1,159,436	1,183,776	1,197,400	1,216,026	1,237,317	1,260,490
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EF (kg CO2e/gallon)	0.01021	0.01021	0.01021	0.01021	0.01021	0.01021
Emissions (MT CO2e)	11,838	12,086	12,225	12,416	12,633	12,870
Gasoline						
Fuel use (gallons)	2,106,415	2,237,966	2,338,840	2,444,272	2,551,522	2,681,154
EF (kg CO2e/gallon)	0.00878	0.00878	0.00878	0.00878	0.00878	0.00878
Emissions (MT CO2e)	18,494	19,649	20,535	21,461	22,402	23,541
Natural Gas						
Fuel use (gallons)	212,044	213,117	211,931	212,612	212,035	212,035
EF (kg CO2e/gallon)	0.00568	0.00568	0.00568	0.00568	0.00568	0.00568
Emissions (MT CO2e)	1,204	1,211	1,204	1,208	1,204	1,204
All Fuels - Total						
Emissions (MT CO2e)	31,537	32,946	33,964	35,084	36,240	37,614

Sector Summaries

BAU Sector Summary						
	2019	2025	2030	2035	2040	2045
Energy	169,518	175,575	183,013	185,805	187,228	188,560
Transportation	485,881	504,492	527,732	536,248	540,274	544,156
Waste	32,989	33,360	33,580	33,775	33,989	34,210
Wastewater	2,874	2,907	2,926	2,943	2,961	2,981
Total	691,262	716,334	747,251	758,771	764,453	769,907

Adjusted (State Legislation) Sector Summary						
	2019	2025	2030	2035	2040	2045
Energy	169,518	174,925	181,177	183,101	183,754	184,314
Transportation	485,881	453,467	431,714	402,613	380,820	368,544
Waste	32,989	33,360	33,580	33,775	33,989	34,210
Wastewater	2,874	2,907	2,926	2,943	2,961	2,981
Total	691,262	664,659	649,397	622,432	601,524	590,049