

**GHG Emissions Existing/Proposed Project**

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: County

Region: El Dorado

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for CVMT and EVMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, mph for Speed, kWh/day for Energy Consumption

Existing Conditions

	Vol	Delay	CO2	CO2 (tons)	CH4	CH4 (ton)	Total	Total metric tons/year:
1 AM	3275	26	188192	0.188192	4.653437	0.000005	0.188197	686.92
1 PM	3563	21	165368.1	0.165368	4.089068	0.000004	0.165372	603.61
2 AM	1054	18	41930.47	0.04193	1.036818	0.000001	0.041932	153.05
2 PM	1216	22	59125.23	0.059125	1.461994	0.000001	0.059127	215.81
3 AM	986	20	43583.64	0.043584	1.077696	0.000001	0.043585	159.08
3 PM	1087	15	36036.07	0.036036	0.891066	0.000001	0.036037	131.53
4 AM	1156	8	20439.22	0.020439	0.505402	0.000001	0.020440	74.61
4 PM	1271	10	28090.67	0.028091	0.6946	0.000001	0.028091	102.53
5 AM	1001	30	66370.02	0.06637	1.641136	0.000002	0.066372	242.26
5 PM	930	24	49329.96	0.04933	1.219785	0.000001	0.049331	180.06
				3.853616		9.53E-05		
							<b>Total metric tons/year:</b>	1406.60

Proposed  
Project

Vol	Delay	CO2	CO2 (tons)	CH4	CH4 (ton)	Total	Total metric tons/year:
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1	AM	3275	27	195430.2	0.19543	4.832416	0.000005	0.195435	713.34
1	PM	3563	21	165368.1	0.165368	4.089068	0.000004	0.165372	603.61
2	AM	1054	17	39601	0.039601	0.979217	0.000001	0.039602	144.55
2	PM	1216	20	53750.21	0.05375	1.329085	0.000001	0.053752	196.19
3	AM								
3	PM								
4	AM	1215	12	32223.6	0.032224	0.796795	0.000001	0.032224	117.62
4	PM	1346	15	44622.4	0.044622	1.103381	0.000001	0.044624	162.88
5	AM	1001	20	44246.68	0.044247	1.094091	0.000001	0.044248	161.50
5	PM	930	18	36997.47	0.036997	0.914839	0.000001	0.036998	135.04
					3.380495		0.000084		
								<b>Total metric tons/year:</b>	1233.91

### Cumulative GHG Emissions Existing/Proposed Project

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: County

Region: El Dorado

Calendar Year: 2035

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for CVMT and EVMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, mph for Speed, kWh/day for Energy Consumption

#### Existing Conditions

		Vol	Delay	CO2	CO2 (tons)	CH4	CH4 (ton)	Total	Total metric tons/year:
1	AM	3275	26	184906.2	0.184906	1.932373	0.000002	0.184908	674.91
1	PM	3563	21	162480.7	0.162481	1.698015	0.000002	0.162482	593.06

2	AM	1054	18	41198.36	0.041198	0.430546	0.000000	0.041199	150.38
2	PM	1216	22	58092.9	0.058093	0.607103	0.000001	0.058094	212.04
3	AM	986	20	42822.67	0.042823	0.447521	0.000000	0.042823	156.30
3	PM	1087	15	35406.87	0.035407	0.370022	0.000000	0.035407	129.24
4	AM	1156	8	20082.35	0.020082	0.209872	0.000000	0.020083	73.30
4	PM	1271	10	27600.21	0.0276	0.288438	0.000000	0.027600	100.74
5	AM	1001	30	65211.19	0.065211	0.681494	0.000001	0.065212	238.02
5	PM	930	24	48468.66	0.048469	0.506525	0.000001	0.048469	176.91

3.786331 3.96E-05

**Total metric tons/year:** 1382.03

Proposed Project

	Vol	Delay	CO2	CO2 (tons)	CH4	CH4 (ton)	Total	Total metric tons/year:	
1	AM	3275	27	192018	0.192018	2.006696	0.000002	0.192020	700.87
1	PM	3563	21	162480.7	0.162481	1.698015	0.000002	0.162482	593.06
2	AM	1054	17	38909.56	0.03891	0.406627	0.000000	0.038910	142.02
2	PM	1216	20	52811.73	0.052812	0.551912	0.000001	0.052812	192.76
3	AM								
3	PM								
4	AM	1215	12	31660.98	0.031661	0.330875	0.000000	0.031661	115.56
4	PM	1346	15	43843.29	0.043843	0.458187	0.000000	0.043844	160.03
5	AM	1001	20	43474.13	0.043474	0.454329	0.000000	0.043475	158.68
5	PM	930	18	36351.49	0.036351	0.379894	0.000000	0.036352	132.68
				3.321471		0.000035			

**Total metric tons/year:** 1212.35