
APPENDIX J

FUEL CONSUMPTION CALCULATIONS

EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Air District
 Region: Mojave Desert AQMD
 Calendar Year: 2025
 Vehicle Classification: EMFAC2007 Categories
 Mojave Desert AQMD value: 10,205,812,340 VMT/Year
 Project value: 850,912 VMT/Year

VehClass	Fuel Type	County Fuel Consumption		Project VMT	County VMT	Project Fuel Consumption (gal/yr)		
		1000 gallons/year	gallons/year			Total	Gasoline	Diesel
LDA	GAS	156953.2652	156953265.24	549859.33	4663682309	18,492	18,460	32
	DSL	274.2071047	274207.10		11377556.94			
LDT1	GAS	15297.40523	15297405.23	0.00	374515287.8	0	0	0
	DSL	3.326633511	3326.63		77478.53469			
LDT2	GAS	86639.16779	86639167.79	0.00	2110331175	0	0	0
	DSL	224.788539	224788.54		7321595.099			
MDV	GAS	76894.14495	76894144.95	0.00	1498953696	0	0	0
	DSL	1060.953396	1060953.40		24768976.4			
LHDT1	GAS	12280.90556	12280905.56	0.00	164418166.7	0	0	0
	DSL	6827.398564	6827398.56		139576529.3			
LHDT2	GAS	1797.639863	1797639.86	0.00	21455268.41	0	0	0
	DSL	3636.414115	3636414.12		61958495.03			
MHDT	GAS	4233.055818	4233055.82	111214.20	21984084.69	14,884	6,289	8,595
	DSL	5784.777642	5784777.64		52868191.77			
HHDT	GAS	16.07087864	16070.88	189838.47	63216.19811	30,194	3	30,191
	DSL	156905.6265	156905626.53		986546841.6			
OBUS	GAS	1099.070377	1099070.38	0.00	5562559.007	0	0	0
	DSL	217.0410357	217041.04		1598995.227			
UBUS	GAS	455.5629729	455562.97	0.00	1725127.332	0	0	0
	DSL	10.32506105	10325.06		81859.34788			
MCY	GAS	917.4237455	917423.75	0.00	37624821.66	0	0	0
SBUS	GAS	234.4767373	234476.74	0.00	2171784.089	0	0	0
	DSL	643.6030136	643603.01		4889646.554			
MH	GAS	1801.220762	1801220.76	0.00	8582662.914	0	0	0
	DSL	351.1970356	351197.04		3676014.562			
Project Totals				850,912	10,205,812,340	63,570	24,752	38,818

Source: Calculated by UltraSystems with CalEEMod (2022.1.1.22) (CAPCOA, 2023).

Calculated by Ultrasystems with California Air Resources Board - Emission FACTor (EMFAC2021 v1.0.2) webtool

Per Capita Calculation is based on the estimated employee population of 244, which was provided by Cargo Solutions (seeSection 4.14).

Gasoline 101 Diesel 159.0901639

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Air District

Region: Mojave Desert AQMD

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Fuel Consumption
Mojave Desert AQMD	2025	HHDT	Aggregate	Aggregate	Gasoline	2.68117145	63216.19811	16.07087864
Mojave Desert AQMD	2025	HHDT	Aggregate	Aggregate	Diesel	15403.35585	986546841.6	156905.6265
Mojave Desert AQMD	2025	LDA	Aggregate	Aggregate	Gasoline	322543.1529	4663682309	156953.2652
Mojave Desert AQMD	2025	LDA	Aggregate	Aggregate	Diesel	1011.812599	11377556.94	274.2071047
Mojave Desert AQMD	2025	LDT1	Aggregate	Aggregate	Gasoline	31936.07103	374515287.8	15297.40523
Mojave Desert AQMD	2025	LDT1	Aggregate	Aggregate	Diesel	16.97370517	77478.53469	3.326633511
Mojave Desert AQMD	2025	LDT2	Aggregate	Aggregate	Gasoline	147429.5263	2110331175	86639.16779
Mojave Desert AQMD	2025	LDT2	Aggregate	Aggregate	Diesel	479.5811975	7321595.099	224.788539
Mojave Desert AQMD	2025	LHDT1	Aggregate	Aggregate	Gasoline	13494.00068	164418166.7	12280.90556
Mojave Desert AQMD	2025	LHDT1	Aggregate	Aggregate	Diesel	11553.31946	139576529.3	6827.398564
Mojave Desert AQMD	2025	LHDT2	Aggregate	Aggregate	Gasoline	1790.494317	21455268.41	1797.639863
Mojave Desert AQMD	2025	LHDT2	Aggregate	Aggregate	Diesel	4986.27652	61958495.03	3636.414115
Mojave Desert AQMD	2025	MCY	Aggregate	Aggregate	Gasoline	18808.70406	37624821.66	917.4237455
Mojave Desert AQMD	2025	MDV	Aggregate	Aggregate	Gasoline	109975.8335	1498953696	76894.14495
Mojave Desert AQMD	2025	MDV	Aggregate	Aggregate	Diesel	1785.356452	24768976.4	1060.953396
Mojave Desert AQMD	2025	MH	Aggregate	Aggregate	Gasoline	3030.54672	8582662.914	1801.220762
Mojave Desert AQMD	2025	MH	Aggregate	Aggregate	Diesel	1305.683306	3676014.562	351.1970356
Mojave Desert AQMD	2025	MHDT	Aggregate	Aggregate	Gasoline	936.2525632	21984084.69	4233.055818
Mojave Desert AQMD	2025	MHDT	Aggregate	Aggregate	Diesel	2937.065163	52868191.77	5784.777642
Mojave Desert AQMD	2025	OBUS	Aggregate	Aggregate	Gasoline	286.4515488	5562559.007	1099.070377
Mojave Desert AQMD	2025	OBUS	Aggregate	Aggregate	Diesel	81.85506566	1598995.227	217.0410357
Mojave Desert AQMD	2025	SBUS	Aggregate	Aggregate	Gasoline	104.5435195	2171784.089	234.4767373
Mojave Desert AQMD	2025	SBUS	Aggregate	Aggregate	Diesel	643.2308631	4889646.554	643.6030136
Mojave Desert AQMD	2025	UBUS	Aggregate	Aggregate	Gasoline	55.28517502	1725127.332	455.5629729
Mojave Desert AQMD	2025	UBUS	Aggregate	Aggregate	Diesel	2.531039845	81859.34788	10.32506105
							10205812340	534559.0686