

PHASE I													
Phase	Worker Trips/Day	Worker Trip Length	Worker VMT/Day	Phase Length (Days)	Work VMT (Total)	Vendor Trips (Total)	Vendor Trip Length	Vendor VMT (Total)	Hauling Trips	Hauling Trip Length	Hauling VMT (Total)		
Site Preparation	18	10.8	194.40	5	972.00	0	7.3	0	0	20	0		
Grading	15	10.8	162.00	10	1,620.00	0	7.3	0	0	20	0.00		
Building Construction	55	10.8	594.00	358	212,652.00	21	7.3	153.30	0	20	0		
Architectural Coatings	11	10.8	118.80	179	0.00	0	7.3	0	0	20	0		
Paving	20	10.8	216.00	16	3,456.00	0	7.3	0	0	20	0	Total VMT	
					218,700.00			153.30			0.00		218,853.30

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: Air District
Region: San Diego County APCD
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD VMT	Fuel Consumption (1,000 gal/day)	SD Gallons/Day	Fuel Efficiency (mpg)	Total VMT	Total Fuel Consumption		
Workers													
San Diego County APCD	2022 LDA	GAS		1,435,699.42	66.8%	55,007,780.65	1,756.77	1,756,768.47	31.31	146,160.02	4,667.87		
San Diego County APCD	2022 LDA	DSL		17,133.82	0.8%	652,152.32	13.99	13,986.90	46.63	1,744.29	37.41		
San Diego County APCD	2022 LDA	ELEC		29,615.72	1.4%	1,220,433.52	0.00	0.00	NA	3,015.00	NA		
San Diego County APCD	2022 LDT1	GAS		169,175.43	7.9%	5,914,590.82	225.56	225,564.72	26.22	17,222.74	656.82		
San Diego County APCD	2022 LDT1	DSL		113.24	0.0%	2,054.35	0.09	90.31	22.75	11.53	0.51		
San Diego County APCD	2022 LDT1	ELEC		971.26	0.0%	42,156.16	0.00	0.00	NA	98.88	NA		
San Diego County APCD	2022 LDT2	GAS		488,321.85	22.7%	17,717,580.65	726.63	726,629.83	24.38	49,713.14	2,038.83		
San Diego County APCD	2022 LDT2	DSL		3,092.95	0.1%	128,253.98	3.72	3,722.64	34.45	314.87	9.14		
San Diego County APCD	2022 LDT2	ELEC		4,120.81	0.2%	138,746.60	0.00	0.00	NA	419.52	NA		
Delivery/Hauling										Delivery Total VMT	Delivery Fuel Consumption	Hauling Total VMT	Haluing Fuel Consumption
San Diego County APCD	2022 T7 CAIRP	DSL		1,908.72	12.5%	339,335.48	50.07	50,073.60	6.78	19.23	2.84	0.00	0.00
San Diego County APCD	2022 T7 CAIRP construction	DSL		178.19	1.2%	32,131.75	5.48	5,478.99	5.86	1.79	0.31	0.00	0.00
San Diego County APCD	2022 T7 NNOOS	DSL		2,066.23	13.6%	413,668.43	58.07	58,069.75	7.12	20.81	2.92	0.00	0.00
San Diego County APCD	2022 T7 NOOS	DSL		753.81	5.0%	133,321.19	20.17	20,166.95	6.61	7.59	1.15	0.00	0.00
San Diego County APCD	2022 T7 POLA	DSL		238.06	1.6%	31,072.30	5.88	5,879.21	5.29	2.40	0.45	0.00	0.00
San Diego County APCD	2022 T7 Public	DSL		1,490.79	9.8%	30,219.66	5.89	5,894.58	5.13	15.02	2.93	0.00	0.00
San Diego County APCD	2022 T7 Single	DSL		2,152.00	14.1%	139,386.45	22.05	22,052.37	6.32	21.68	3.43	0.00	0.00
San Diego County APCD	2022 T7 single construction	DSL		1,141.10	7.5%	79,712.97	14.51	14,505.11	5.50	11.49	2.09	0.00	0.00
San Diego County APCD	2022 T7 SWCV	DSL		588.09	3.9%	24,028.36	10.82	10,824.51	2.22	5.92	2.67	0.00	0.00
San Diego County APCD	2022 T7 tractor	DSL		3,622.29	23.8%	495,171.46	66.59	66,591.10	7.44	36.49	4.91	0.00	0.00
San Diego County APCD	2022 T7 tractor construction	DSL		953.23	6.3%	65,756.18	12.18	12,181.26	5.40	9.60	1.78	0.00	0.00
San Diego County APCD	2022 T7 utility	DSL		126.77	0.8%	2,573.95	0.44	435.25	5.91	1.28	0.22	0.00	0.00
										153.30	25.69	0.00	0.00
												Total Diesel	72.74

PHASE II													
Phase	Worker Trips/Day	Worker Trip Length	Worker VMT/Day	Phase Length (Days)	Work VMT (Total)	Vendor Trips (Total)	Vendor Trip Length	Vendor VMT (Total)	Hauling Trips	Hauling Trip Length	Hauling VMT (Total)		
Site Preparation	8	10.8	86.40	11	950.40	0	7.3	0	0	20	0		
Building Construction	30	10.8	324.00	364	117,936.00	12	7.3	87.60	0	20	0		
Architectural Coatings	6	10.8	64.80	182	0.00	0	7.3	0	0	20	0		
Paving	13	10.8	140.40	18	2,527.20	0	7.3	0	0	20	0	Total VMT	
					121,413.60			87.60			0.00		121,501.20

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: Air District
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Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD VMT	Fuel Consumption (1,000 gal/day)	SD Gallons/Day	Fuel Efficiency (mpg)	Total VMT	Total Fuel Consumption		
Workers													
San Diego County APCD	2027 LDA	GAS		1,571,010.71	67.3%	57,526,803.67	1,600.53	1,600,530.22	35.94	81,689.42	2,272.79		
San Diego County APCD	2027 LDA	DSL		19,269.06	0.8%	705,470.32	13.27	13,265.21	53.18	1,001.95	18.84		
San Diego County APCD	2027 LDA	ELEC		59,261.37	2.5%	2,538,146.32	0.00	0.00	NA	3,081.47	NA		
San Diego County APCD	2027 LDT1	GAS		177,261.06	7.6%	5,982,115.44	200.96	200,961.02	29.77	9,217.22	309.64		
San Diego County APCD	2027 LDT1	DSL		54.18	0.0%	1,159.99	0.05	45.83	25.31	2.82	0.11		
San Diego County APCD	2027 LDT1	ELEC		2,862.15	0.1%	127,835.76	0.00	0.00	NA	148.83	NA		
San Diego County APCD	2027 LDT2	GAS		490,674.20	21.0%	17,148,857.30	593.31	593,308.79	28.90	25,514.08	882.73		
San Diego County APCD	2027 LDT2	DSL		4,065.52	0.2%	154,321.64	3.91	3,911.99	39.45	211.40	5.36		
San Diego County APCD	2027 LDT2	ELEC		10,508.42	0.5%	323,198.41	0.00	0.00	NA	546.42	NA		
Delivery/Hauling										Delivery Total VMT	Delivery Fuel Consumption	Hauling Total VMT	Haluing Fuel Consumption
San Diego County APCD	2027 T7 CAIRP	DSL		1,944.47	11.8%	369,040.15	47.58	47,583.21	7.76	10.32	1.33	0.00	0.00
San Diego County APCD	2027 T7 CAIRP construction	DSL		183.19	1.1%	33,583.10	5.09	5,085.36	6.60	0.97	0.15	0.00	0.00
San Diego County APCD	2027 T7 NNOOS	DSL		2,430.04	14.7%	449,856.62	54.98	54,983.84	8.18	12.90	1.58	0.00	0.00
San Diego County APCD	2027 T7 NOOS	DSL		776.29	4.7%	144,994.33	19.21	19,210.72	7.55	4.12	0.55	0.00	0.00
San Diego County APCD	2027 T7 POLA	DSL		262.94	1.6%	41,057.91	6.64	6,638.38	6.18	1.40	0.23	0.00	0.00
San Diego County APCD	2027 T7 Public	DSL		1,479.33	9.0%	29,980.43	5.40	5,396.36	5.56	7.85	1.41	0.00	0.00
San Diego County APCD	2027 T7 Single	DSL		2,242.75	13.6%	148,321.92	21.31	21,312.50	6.96	11.91	1.71	0.00	0.00
San Diego County APCD	2027 T7 single construction	DSL		1,185.09	7.2%	83,313.50	13.84	13,839.15	6.02	6.29	1.05	0.00	0.00
San Diego County APCD	2027 T7 SWCV	DSL		366.46	2.2%	14,972.89	6.73	6,728.88	2.23	1.95	0.87	0.00	0.00
San Diego County APCD	2027 T7 tractor	DSL		4,489.17	27.2%	549,401.40	65.73	65,731.06	8.36	23.83	2.85	0.00	0.00
San Diego County APCD	2027 T7 tractor construction	DSL		1,006.90	6.1%	68,726.30	11.52	11,524.21	5.96	5.35	0.90	0.00	0.00
San Diego County APCD	2027 T7 utility	DSL		132.51	0.8%	2,685.17	0.43	427.94	6.27	0.70	0.11	0.00	0.00
										87.60	12.73	0.00	0.00
												Total Diesel	37.04

9603 - 8708 Cottonwood Avenue
All Right Storage
Energy Calculations

PHASE I

Phase	Phase Length (Days)	Equipment	Amount	Daily Usage Hours	Total Usage Hours	Horse Power	Load Factor	Fuel Used (Gallons)
Site Preparation	5	Rubber Tired Dozer	3	8	120	247	0.40	612
	5	Tractors/Loaders/Backhoes	4	8	160	97	0.37	330
Grading	10	Excavators	1	8	80	158	0.38	248
	10	Graders	1	8	80	187	0.41	317
	10	Rubber Tired Dozer	1	8	80	247	0.40	408
	10	Tractors/Loaders/Backhoes	3	8	240	97	0.37	733
Building Construction	358	Cranes	1	7	2,506	231	0.29	8,667
	358	Forklifts	3	8	8,592	89	0.20	8,778
	358	Generator Sets	1	8	2,864	84	0.74	10,217
	358	Tractors/Loaders/Backhoes	3	7	7,518	97	0.37	22,977
	358	Welders	1	8	2,864	46	0.45	3,403
Paving	16	Pavers	1	8	128	130	0.42	361
	16	Paving Equipment	2	6	192	132	0.36	471
	16	Rollers	2	6	192	80	0.38	335
	16	Cement and Mortar Mixers	2	6	192	9	0.56	56
	16	Tractors/Loaders/Backhoes	1	8	128	97	0.37	391
Architectural Coatings	179	Air Compressors	1	6	1,074	78	0.48	2,308
								60,612

PHASE II

Phase	Phase Length (Days)	Equipment	Amount	Daily Usage Hours	Total Usage Hours	Horse Power	Load Factor	Fuel Used (Gallons)
Site Preparation	5	Rubber Tired Dozer	1	7	35	247	0.40	179
	5	Tractors/Loaders/Backhoes	1	8	40	97	0.37	136
	5	Graders	1	8	40	187	0.41	158
Building Construction	364	Cranes	1	6	2,184	231	0.29	7,553
	364	Forklifts	1	6	2,184	89	0.20	2,231
	364	Generator Sets	1	8	2,912	84	0.74	10,389
	364	Tractors/Loaders/Backhoes	1	6	2,184	97	0.37	6,675
	364	Welders	3	8	8,736	46	0.45	10,379
Paving	18	Pavers	1	6	108	130	0.42	304
	18	Paving Equipment	1	8	144	132	0.36	353
	18	Rollers	1	7	126	80	0.38	220
	18	Cement and Mortar Mixers	1	6	108	9	0.56	31
	18	Tractors/Loaders/Backhoes	1	8	144	97	0.37	440
Architectural Coatings	182	Air Compressors	1	6	1,092	78	0.48	2,346
								41,394
								102,006

PHASE I

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: Air District

Region: San Diego County APCD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Phase I Daily Trips

182.00

Tip Length

7.48

Daily VMT

1,361.36

Annual VMT

496,896.40

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD VMT	SD Trips	Fuel Consumption (1,000 gal/day)	SD Gallons/Day	Fuel Efficiency	VMT	Gallons or kWh/Day	Gallons or kWh/Year
San Diego County APCD	2022	LDA	GAS	1435699.418	96.8%	55,007,780.65	6,783,861.73	1,756.77	1,756,768.47	31.31 mpg	1,318.43	42.11	15,368.80
San Diego County APCD	2022	LDA	DSL	17133.82279	1.2%	652,152.32	80,255.84	13.99	13,986.90	46.63 mpg	15.73	0.34	123.17
San Diego County APCD	2022	LDA	ELEC	29615.71622	2.0%	1,220,433.52	147,126.82	0.00	0.00	3.40 kWh/mile	27.20	8.00	2,919.64
								1,770.76	1,770,755.37		1,361.36	50.44	18,411.62

PHASE II

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: Air District

Region: San Diego County APCD

Calendar Year: 2027

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Phase I Daily Trips

299.00

Tip Length

7.22

Daily VMT

2,158.78

Annual VMT

787,954.70

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD VMT	SD Trips	Fuel Consumption (1,000 gal/day)	SD Gallons/Day	Fuel Efficiency	VMT	Gallons or kWh/Day	Gallons or kWh/Year
San Diego County APCD	2207	LDA	GAS	1,571,010.71	95.2%	57,526,803.67	7,413,655.91	1,600.53	1,600,530.22	35.94 mpg	2,056.01	57.20	20,879.06
San Diego County APCD	2027	LDA	DSL	19,269.06	1.2%	705,470.32	90,713.40	13.27	13,265.21	53.18 mpg	25.22	0.47	173.07
San Diego County APCD	2027	LDA	ELEC	59,261.37	3.6%	2,538,146.32	291,860.12	0.00	0.00	3.40 kWh/mile	77.56	22.81	8,325.89
								1,613.80	1,613,795.43		2,158.78	80.49	29,378.03

9603 - 8708 Cottonwood Avenue

All Right Storage

Energy Calculations

LandUseType	LandUseSubType	LandUseUnitAmount	LandUseSizeMetric
Residential	Apartments Low Rise	1	Dwelling Unit
Industrial	Unrefrigerated Warehouse	146419	Square Feet

EnergyUseLandUseSubType	kWh/Year	kBTU/Year
Apartments Low Rise	4243.98	11225.5
Unrefrigerated Warehouse	534827	244702

Total/year	539,070.98	255,927.50
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