

Appendix E

Energy

Sportsman Lodge

Summary of Energy Use During Construction

Electricity	
Water Consumption	48,058 kWh
Temporary Power (lighting, tools)	40,824 kWh
Total:	88,882 kWh
Gasoline	
On Road	78,528 Gallons
Off Road	0 Gallons
Total:	78,528 Gallons
Diesel	
On Road	236,565 Gallons
Off Road	222,875 Gallons
Total:	459,441 Gallons
Total Mobile	537,969

Summary of Energy Use During Operations

	Baseline (Buildout)	Buildout Without Project Features/MXD	Buildout With Project Features/MXD	Project Without Project Features/MXD	Project With Project Features/MXD		Percent Reduction due to Project Features
Electricity							
Electricity (building)	1,073,299	4,453,640	4,453,640	3,380,341	3,380,341	kWh/year	0%
Electricity (water)	61,853	546,955	546,955	485,102	485,102	kWh/year	0%
EV Chargers		3,011	3,011	3,011	3,011	kWh/year	
Electricity Total	1,135,152	5,003,606	5,003,606	3,868,454	3,868,454	kWh/year	0%
Natural Gas							
Natural Gas (building)	3,070,657	9,323,739	9,323,739	6,253,082	6,253,082		
Fireplaces		1,053,000	0	1,053,000			
Natural Gas Total	3,070,657	10,326,596	9,323,739	7,255,939	6,253,082	cu ft/year	-10%
Mobile							
Gasoline	123,423	767,637	673,559	644,214	550,136	Gallons/year	-12%
Diesel	21,370	132,913	116,624	111,543	95,254	Gallons/year	-12%
Mobile Total	144,793	900,550	790,183	755,757	645,390	Gallons/year	-12%

Sportsmen's Lodge Project**Caterpillar 40-C4.4 Generator^a**

Peak Power Rating - Prime (kW)	36
Typical Load	70%
Average Output (kW)	25.2
Hours per Day	3
Average Daily Output (kWh)	75.6
Building Construction Phase Duration (days)	540
Total Construction (kWh)	40,824
Total Construction (MWh)	40.8

^a<https://www.albancat.com/content/uploads/2014/06/40-C4.4-Spec-Sheet.pdf>

Sportsmen's Lodge Project

Phase Name	Off Road Equipment Type	Units	Hours	HP	Load Factor	Avg. Daily Factor	Number of Days	Diesel Fuel Usage
Phase 0 Demolition	Air Compressors	5	8	78	0.48	0.6	46	2,067
Phase 0 Demolition	Concrete/Industrial Saws	2	8	81	0.73	0.6	46	1,306
Phase 0 Demolition	Excavators	3	8	158	0.38	0.6	46	1,989
Phase 0 Demolition	Other Construction Equipment	1	8	172	0.42	0.6	46	798
Phase 0 Demolition	Paving Equipment	2	8	132	0.36	0.6	46	1,049
Phase 0 Demolition	Rubber Tired Dozers	1	8	247	0.4	0.6	46	1,091
Phase 0 Demolition	Signal Boards	0	8	6	0.82	0.6	46	0
Phase 0 Demolition	Tractors/Loaders/Backhoes	1	8	97	0.37	0.6	46	396
Phase 0 Demolition	Trenchers	1	8	78	0.5	0.6	46	431
Phase 0B Utility Relocation, and Temp Parking	Air Compressors	2	8	78	0.48	0.6	30	539
Phase 0B Utility Relocation, and Temp Parking	Concrete/Industrial Saws	2	8	81	0.73	0.6	30	851
Phase 0B Utility Relocation, and Temp Parking	Forklifts	4	8	89	0.2	0.6	30	513
Phase 0B Utility Relocation, and Temp Parking	Tractors/Loaders/Backhoes	0	8	97	0.37	0.6	30	0
Phase 1a Grading	Bore/Drill Rigs	2	8	221	0.5	0.6	114	6,047
Phase 1a Grading	Excavators	4	8	158	0.38	0.6	114	6,571
Phase 1a Grading	Graders	3	8	187	0.41	0.6	114	6,293
Phase 1a Grading	Other Construction Equipment	1	8	172	0.42	0.6	114	1,976
Phase 1a Grading	Rubber Tired Dozers	2	8	247	0.4	0.6	114	5,406
Phase 1a Grading	Rubber Tired Loaders	2	8	203	0.36	0.6	114	3,999
Phase 1a Grading	Scrapers	2	8	367	0.48	0.6	114	9,639
Phase 1a Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	0.6	114	982
Phase 1a Grading	Welders	2	8	46	0.45	0.6	114	1,133
Phase 1a Mat Foundation	Air Compressors	6	8	78	0.48	0.6	88	4,744
Phase 1a Mat Foundation	Excavators	0	8	158	0.38	0.6	88	0
Phase 1a Mat Foundation	Forklifts	0	8	89	0.2	0.6	88	0
Phase 1a Mat Foundation	Generator Sets	0	8	84	0.74	0.6	88	0
Phase 1a Mat Foundation	Graders	1	8	187	0.41	0.6	88	1,619
Phase 1a Mat Foundation	Rubber Tired Dozers	1	8	247	0.4	0.6	88	2,087
Phase 1a Mat Foundation	Rubber Tired Loaders	1	8	203	0.36	0.6	88	1,543
Phase 1a Mat Foundation	Signal Boards	1	8	6	0.82	0.6	88	104
Phase 1a Mat Foundation	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	88	0
Phase 1a Mat Foundation	Welders	0	8	46	0.45	0.6	88	0
Phase 1a Garage to Podium Structure	Air Compressors	4	8	78	0.48	0.6	215	7,728
Phase 1a Garage to Podium Structure	Cement and Mortar Mixers	3	8	9	0.56	0.6	215	780
Phase 1a Garage to Podium Structure	Concrete/Industrial Saws	1	8	81	0.73	0.6	215	3,051
Phase 1a Garage to Podium Structure	Cranes	1	8	231	0.29	0.6	215	3,457
Phase 1a Garage to Podium Structure	Forklifts	3	8	89	0.2	0.6	215	2,755
Phase 1a Garage to Podium Structure	Generator Sets	0	8	84	0.74	0.6	215	0
Phase 1a Garage to Podium Structure	Plate Compactors	3	8	8	0.43	0.6	215	533
Phase 1a Garage to Podium Structure	Signal Boards	1	8	6	0.82	0.6	215	254
Phase 1a Garage to Podium Structure	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	215	0
Phase 1a Garage to Podium Structure	Welders	2	8	46	0.45	0.6	215	2,136
Phase 1b Structure	Air Compressors	4	8	78	0.48	0.6	305	10,962
Phase 1b Structure	Cement and Mortar Mixers	3	8	9	0.56	0.6	305	1,107
Phase 1b Structure	Concrete/Industrial Saws	1	8	81	0.73	0.6	305	4,328
Phase 1b Structure	Cranes	1	8	231	0.29	0.6	305	4,904
Phase 1b Structure	Forklifts	3	8	89	0.2	0.6	305	3,909
Phase 1b Structure	Generator Sets	0	8	84	0.74	0.6	305	0
Phase 1b Structure	Plate Compactors	3	8	8	0.43	0.6	305	755
Phase 1b Structure	Signal Boards	1	8	6	0.82	0.6	305	360
Phase 1b Structure	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	305	0
Phase 1b Structure	Welders	2	8	46	0.45	0.6	305	3,030
Phase 1a Garage to Podium Interior Build	Aerial Lifts	4	8	63	0.31	0.6	110	2,062
Phase 1a Garage to Podium Interior Build	Air Compressors	4	8	78	0.48	0.6	110	3,954
Phase 1a Garage to Podium Interior Build	Cranes	1	8	231	0.29	0.6	110	1,769
Phase 1a Garage to Podium Interior Build	Forklifts	3	8	89	0.2	0.6	110	1,410
Phase 1a Garage to Podium Interior Build	Generator Sets	0	8	84	0.74	0.6	110	0
Phase 1a Garage to Podium Interior Build	Signal Boards	1	8	6	0.82	0.6	110	130
Phase 1a Garage to Podium Interior Build	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	110	0
Phase 1a Garage to Podium Interior Build	Welders	0	8	46	0.45	0.6	110	0
Phase 2 Structure	Air Compressors	4	8	78	0.48	0.6	253	9,093
Phase 2 Structure	Cement and Mortar Mixers	3	8	9	0.56	0.6	253	918
Phase 2 Structure	Concrete/Industrial Saws	1	8	81	0.73	0.6	253	3,590
Phase 2 Structure	Cranes	1	8	231	0.29	0.6	253	4,068
Phase 2 Structure	Forklifts	3	8	89	0.2	0.6	253	3,242
Phase 2 Structure	Generator Sets	0	8	84	0.74	0.6	253	0
Phase 2 Structure	Plate Compactors	3	8	8	0.43	0.6	253	627
Phase 2 Structure	Signal Boards	1	8	6	0.82	0.6	253	299
Phase 2 Structure	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	253	0
Phase 2 Structure	Welders	2	8	46	0.45	0.6	253	2,514
Architectural Coating	Air Compressors	0	6	78	0.48	0.6	330	0
Phase 3 Demo	Air Compressors	2	8	78	0.48	0.6	42	755
Phase 3 Demo	Concrete/Industrial Saws	2	8	81	0.73	0.6	42	1,192
Phase 3 Demo	Excavators	1	8	158	0.38	0.6	42	605
Phase 3 Demo	Other Construction Equipment	1	8	172	0.42	0.6	42	728
Phase 3 Demo	Rubber Tired Dozers	0	8	247	0.4	0.6	42	0
Phase 3 Demo	Rubber Tired Loaders	1	8	203	0.36	0.6	42	737
Phase 3 Demo	Signal Boards	1	8	6	0.82	0.6	42	50
Phase 3 Demo	Skid Steer Loaders	1	8	65	0.37	0.6	42	242
Phase 3 Demo	Tractors/Loaders/Backhoes	1	8	97	0.37	0.6	42	362
Phase 3 Demo	Trenchers	1	8	78	0.5	0.6	42	393
Phase 3 Grading	Bore/Drill Rigs	2	8	221	0.5	0.6	69	3,660
Phase 3 Grading	Excavators	2	8	158	0.38	0.6	69	1,989
Phase 3 Grading	Graders	1	8	187	0.41	0.6	69	1,270
Phase 3 Grading	Other Construction Equipment	1	8	172	0.42	0.6	69	1,196
Phase 3 Grading	Rubber Tired Dozers	1	8	247	0.4	0.6	69	1,636
Phase 3 Grading	Rubber Tired Loaders	1	8	203	0.36	0.6	69	1,210
Phase 3 Grading	Signal Boards	1	8	6	0.82	0.6	69	81

Phase 3 Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	0.6	69	594	
Phase 3 Grading	Welders	1	8	46	0.45	0.6	69	343	
Phase 3 Site Prep	Excavators	1	8	158	0.38	0.6	44	634	
Phase 3 Site Prep	Other Construction Equipment	1	8	172	0.42	0.6	44	763	
Phase 3 Site Prep	Rubber Tired Dozers	0	8	247	0.4	0.6	44	0	
Phase 3 Site Prep	Rubber Tired Loaders	1	8	203	0.36	0.6	44	772	
Phase 3 Site Prep	Tractors/Loaders/Backhoes	0	8	97	0.37	0.6	44	0	
Phase 1b Interior Build	Aerial Lifts	4	8	63	0.31	0.6	139	2,606	
Phase 1b Interior Build	Air Compressors	4	8	78	0.48	0.6	139	4,996	
Phase 1b Interior Build	Cranes	1	8	231	0.29	0.6	139	2,235	
Phase 1b Interior Build	Forklifts	3	8	89	0.2	0.6	139	1,781	
Phase 1b Interior Build	Generator Sets	0	8	84	0.74	0.6	139	0	
Phase 1b Interior Build	Signal Boards	1	8	6	0.82	0.6	139	164	
Phase 1b Interior Build	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	139	0	
Phase 1b Interior Build	Welders	0	8	46	0.45	0.6	139	0	
Phase 3 Structure	Air Compressors	4	8	78	0.48	0.6	226	8,123	
Phase 3 Structure	Cement and Mortar Mixers	3	8	9	0.56	0.6	226	820	
Phase 3 Structure	Concrete/Industrial Saws	1	8	81	0.73	0.6	226	3,207	
Phase 3 Structure	Cranes	1	8	231	0.29	0.6	226	3,634	
Phase 3 Structure	Forklifts	3	8	89	0.2	0.6	226	2,896	
Phase 3 Structure	Generator Sets	0	8	84	0.74	0.6	226	0	
Phase 3 Structure	Plate Compactors	3	8	8	0.43	0.6	226	560	
Phase 3 Structure	Signal Boards	1	8	6	0.82	0.6	226	267	
Phase 3 Structure	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	226	0	
Phase 3 Structure	Welders	0	8	46	0.45	0.6	226	0	
Phase 3 Structure	Welders	2	8	46	0.45	0.6	226	2,246	
Phase 2 Interior Build	Aerial Lifts	4	8	63	0.31	0.6	142	2,662	
Phase 2 Interior Build	Air Compressors	4	8	78	0.48	0.6	142	5,104	
Phase 2 Interior Build	Cranes	1	8	231	0.29	0.6	142	2,283	
Phase 2 Interior Build	Forklifts	3	8	89	0.2	0.6	142	1,820	
Phase 2 Interior Build	Generator Sets	0	8	84	0.74	0.6	142	0	
Phase 2 Interior Build	Signal Boards	1	8	6	0.82	0.6	142	168	
Phase 2 Interior Build	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	142	0	
Phase 2 Interior Build	Welders	0	8	46	0.45	0.6	142	0	
Landscape/Hardscape	Cement and Mortar Mixers	1	8	9	0.56	0.6	45	54	
Landscape/Hardscape	Concrete/Industrial Saws	1	8	81	0.73	0.6	45	639	
Landscape/Hardscape	Forklifts	1	8	89	0.2	0.6	45	192	
Landscape/Hardscape	Other Construction Equipment	1	8	172	0.42	0.6	45	780	
Landscape/Hardscape	Pavers	0	8	130	0.42	0.6	45	0	
Landscape/Hardscape	Paving Equipment	0	8	132	0.36	0.6	45	0	
Landscape/Hardscape	Plate Compactors	1	8	8	0.43	0.6	45	37	
Landscape/Hardscape	Rollers	1	8	80	0.38	0.6	45	328	
Landscape/Hardscape	Signal Boards	1	8	6	0.82	0.6	45	53	
Landscape/Hardscape	Skid Steer Loaders	1	8	65	0.37	0.6	45	260	
Landscape/Hardscape	Tractors/Loaders/Backhoes	1	8	97	0.37	0.6	45	388	
Landscape/Hardscape	Trenchers	1	8	78	0.5	0.6	45	421	
Phase 3 Interior Build	Aerial Lifts	4	8	63	0.31	0.6	71	1,331	
Phase 3 Interior Build	Air Compressors	4	8	78	0.48	0.6	71	2,552	
Phase 3 Interior Build	Cranes	1	8	231	0.29	0.6	71	1,142	
Phase 3 Interior Build	Forklifts	3	8	89	0.2	0.6	71	910	
Phase 3 Interior Build	Generator Sets	0	8	84	0.74	0.6	71	0	
Phase 3 Interior Build	Signal Boards	1	8	6	0.82	0.6	71	84	
Phase 3 Interior Build	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	71	0	
Phase 3 Interior Build	Welders	0	8	46	0.45	0.6	71	0	
Phase 1a Mat Foundation Pour Day	Plate Compactors	6	16	8	0.43	0.6	10	99	
Phase 1a Mat Foundation Pour Day	Pumps	6	16	84	0.74	0.6	10	1,790	
Total Diesel Usage for Construction (Offr								222,875.5	gallons of diesel fuel

gallons of diesel fuel per horsepower-hour=

0.05

Notes: Equipment assumptions are provide in the CalEEMod output files and fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Sportsmen's Lodge Project

Region Type: Air Basin

Region: South Coast

Calendar Year:

2023

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	Veh_Class	Fuel	Speed (miles/hr)	Population (vehicles)	VTM (miles/day)	Trips (trips/day)	Fuel_Gas (1000 gallons/day)	Fuel_DSL (1000 gallons/day)	Miles per Gallon
South Coast	LDA	GAS	Aggregate	4,079,718	153,812,692	19,249,547	4,944	0	31.1
South Coast	LDT1	GAS	Aggregate	480,760	17,733,494	2,225,423	662	0	26.8
South Coast	LDT2	GAS	Aggregate	1,420,578	53,205,335	6,674,513	2,112	0	25.2
Construction Worker Trip (Composite LDA/LDT1/LDT2):									28.6
South Coast	HHDT	DSL	Aggregate	59,068	7,175,177	592,244	0	1026.9	7.0

Notes: Consistent with CalEEMod, a construction worker trip is assumed to be a composite of 50% LDA , 25% for LDT1, and 25% for LDT2. Used EMFAC 2011 Categories for construction as EMFAC2011 has specific categories for vehicle class T7.

Sportsmen's Lodge Project

Phase Name	Daily Woker Trips	Daily Vendor Trips	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Trip Length (miles)			Total Length (miles)			Avg. Daily Factor (worker and vendor)	Gallons of Fuel	
							Worker	Vendor	Haul	Worker	Vendor	Haul		Gasoline	Diesel
Phase 0 Demolition	40	44	46	1840	2024	0	14.7	20	20	27048	40480	0	0.6	568.4	3,476.2
Phase 0B Utility Relocation, and Temp Par	30	6	30	900	180	0	14.7	6.9	20	13230	1242	0	0.6	278.0	106.7
Phase 1a Grading	110	590	114	12540	67260	0	14.7	20	20	184338	1345200	0	0.6	3,873.6	115,517.6
Phase 1a Mat Foundation	130	30	88	11440	2640	0	14.7	6.9	20	168168	18216	0	0.6	3,533.8	1,564.3
Phase 1a Garage to Podium Structure	120	120	215	25800	25800	0	14.7	6.9	20	379260	178020	0	0.6	7,969.6	15,287.3
Phase 1b Structure	120	60	305	36600	18300	0	14.7	6.9	20	538020	126270	0	0.6	11,305.7	10,843.3
Phase 1a Garage to Podium Interior Build	120	60	110	13200	6600	0	14.7	6.9	20	194040	45540	0	0.6	4,077.5	3,910.7
Phase 2 Structure	120	60	253	30360	15180	0	14.7	6.9	20	446292	104742	0	0.6	9,378.2	8,994.6
Architectural Coating	0	0	330	0	0	0	14.7	6.9	20	0	0	0	0.6	0.0	0.0
Phase 3 Demo	40	40	42	1680	1680	0	14.7	20	20	24696	33600	0	0.6	518.9	2,885.4
Phase 3 Grading	80	300	69	5520	20700	0	14.7	20	20	81144	414000	0	0.6	1,705.1	35,551.8
Phase 3 Site Prep	40	20	44	1760	880	0	14.7	100	20	25872	88000	0	0.6	543.7	7,556.9
Phase 1b Interior Build	300	60	139	41700	8340	0	14.7	6.9	20	612990	57546	0	0.6	12,881.1	4,941.7
Phase 3 Structure	80	120	226	18080	27120	0	14.7	6.9	20	265776	187128	0	0.6	5,584.9	16,069.4
Phase 2 Interior Build	300	60	142	42600	8520	0	14.7	6.9	20	626220	58788	0	0.6	13,159.1	5,048.4
Landscape/Hardscape	40	20	45	1800	900	0	14.7	6.9	20	26460	6210	0	0.6	556.0	533.3
Phase 3 Interior Build	100	60	71	7100	4260	0	14.7	6.9	20	104370	29394	0	0.6	2,193.2	2,524.2
Phase 1a Mat Foundation Pour Day	130	296	10	1300	2960	0	14.7	6.9	20	19110	20424	0	0.6	401.6	1,753.9
Total:														78,528.1	236,565.4

Worker Miles per gallon= 28.55 gasoline
Vedor/Haul miles per gallon= 6.99 diesel

Notes: Consistent with CalEEMod worker vehicles are assumed to be gasoline and 50% LDA, 25%LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy Duty Trucks (T7).

Sportsmen's Lodge Project

Phase	Days	Average Daily Acreage Disturbed	Gallons Per Year	Electricity (kWhr)
Phase 0 Demolition	46	5.0	694,600	6,756
Phase 0B Utility Relocation, and Temp	30	5.0	453,000	4,406
Phase 1a Grading	114	5.0	1,721,400	16,744
Phase 1a Mat Foundation	88	1.0	265,760	2,585
Phase 1a Garage to Podium Structure	215	0.0	0	0
Phase 1b Structure	305	0.0	0	0
Phase 1a Garage to Podium Interior Bu	110	0.0	0	0
Phase 2 Structure	253	0.0	0	0
Architectural Coating	330	1.0	996,600	9,694
Phase 3 Demo	42	1.0	126,840	1,234
Phase 3 Grading	69	2.0	416,760	4,054
Phase 3 Site Prep	44	2.0	265,760	2,585
Phase 1b Interior Build	139	0.0	0	0
Phase 3 Structure	226	0.0	0	0
Phase 2 Interior Build	142	0.0	0	0
Landscape/Hardscape	45	0.0	0	0
Phase 3 Interior Build	71	0.0	0	0
Phase 1a Mat Foundation Pour Day	10	0.0	0	0
Total:			4,940,720	48,058

Water application rate= 3020 gal/acre/day
 kWhr equivalent= 0.01 kWhr

Notes: 1) Gallons per year of water usage for dust control is calculated based on a minimum control efficiency of 66% (three times daily) with an application rate of 3,020 gal/acre/day (Air & Waste Management Association Air Pollution Engineering Manual (1992 Edition)) and average of 26 construction days per month.

2) CalEEMod Default: Each gallon of delivered potable water in Southern California is associated with 0.009727 kWhr of electricity).

Sportsmen's Lodge Project

Region Type: Air Basin

Region: South Coast

Calendar Year: 2023

Season: Annual

Region	CalYr	Season	Veh_Class	Fuel	MdYr	Speed (miles/hr)	Population (vehicles)	VMT (miles/day)	Trips (trips/day)	Fuel_Gas (1000 gallons/day)	Fuel_DSL (1000 gallons/day)	
South Coast	2023	Annual	HHDT	DSL	Aggregated	Aggregated	59,068	7,175,177	592,244	0.00	1,026.93	
South Coast	2023	Annual	HHDT	GAS	Aggregated	Aggregated	53	6,012	1,063	1.43	0.00	
South Coast	2023	Annual	LDA	DSL	Aggregated	Aggregated	37,620	1,468,847	178,325	0.00	30.23	
South Coast	2023	Annual	LDA	GAS	Aggregated	Aggregated	4,079,718	153,812,692	19,249,547	4,943.66	0.00	
South Coast	2023	Annual	LDT1	DSL	Aggregated	Aggregated	258	6,251	911	0.00	0.28	
South Coast	2023	Annual	LDT1	GAS	Aggregated	Aggregated	480,760	17,733,494	2,225,423	661.89	0.00	
South Coast	2023	Annual	LDT2	DSL	Aggregated	Aggregated	9,887	410,652	48,611	0.00	11.48	
South Coast	2023	Annual	LDT2	GAS	Aggregated	Aggregated	1,420,578	53,205,335	6,674,513	2,111.84	0.00	
South Coast	2023	Annual	LHDT1	DSL	Aggregated	Aggregated	71,100	2,976,583	894,343	0.00	134.84	
South Coast	2023	Annual	LHDT1	GAS	Aggregated	Aggregated	107,354	3,873,368	1,599,411	366.24	0.00	
South Coast	2023	Annual	LHDT2	DSL	Aggregated	Aggregated	28,768	1,158,888	361,869	0.00	58.29	
South Coast	2023	Annual	LHDT2	GAS	Aggregated	Aggregated	18,246	636,806	271,841	69.12	0.00	
South Coast	2023	Annual	MCY	GAS	Aggregated	Aggregated	188,536	1,317,300	377,073	36.85	0.00	
South Coast	2023	Annual	MDV	DSL	Aggregated	Aggregated	21,713	843,603	106,464	0.00	30.50	
South Coast	2023	Annual	MDV	GAS	Aggregated	Aggregated	951,148	33,069,619	4,413,707	1,617.67	0.00	
South Coast	2023	Annual	MH	DSL	Aggregated	Aggregated	6,442	66,664	644	0.00	6.25	
South Coast	2023	Annual	MH	GAS	Aggregated	Aggregated	19,632	198,293	1,964	38.12	0.00	
South Coast	2023	Annual	MHDT	DSL	Aggregated	Aggregated	66,166	4,365,221	651,680	0.00	396.57	
South Coast	2023	Annual	MHDT	GAS	Aggregated	Aggregated	14,792	816,335	295,958	159.42	0.00	
South Coast	2023	Annual	OBUS	DSL	Aggregated	Aggregated	3,126	245,441	30,420	0.00	28.42	
South Coast	2023	Annual	OBUS	GAS	Aggregated	Aggregated	4,021	164,001	80,447	32.39	0.00	
South Coast	2023	Annual	SBUS	DSL	Aggregated	Aggregated	3,896	123,041	44,958	0.00	16.02	
South Coast	2023	Annual	SBUS	GAS	Aggregated	Aggregated	1,498	60,378	5,992	6.51	0.00	
South Coast	2023	Annual	UBUS	DSL	Aggregated	Aggregated	37	5,105	149	0.00	0.81	
South Coast	2023	Annual	UBUS	GAS	Aggregated	Aggregated	466	33,780	1,866	7.76	0.00	
							Totals	283,772,884.16		10,052.89	1,740.62	MPG Gallons Per Mile
							Total (GAS)	264,927,412.07	0.93			24.1 0.04
							Total (DSL)	18,845,472.10	0.07			26.4 0.04
												10.8 0.09

Baseline Year

Calendar Year: 2026

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Region	CalYr	Season	Veh_Class	Fuel	MdYr	Speed (miles/hr)	Population (vehicles)	VMT (miles/day)	Trips (trips/day)	Fuel_Gas (1000 gallons/day)	Fuel_DSL (1000 gallons/day)	
South Coast	2026	Annual	HHDT	DSL	Aggregated	Aggregated	62,369	7,578,127	634,806	0.00	1,028.60	
South Coast	2026	Annual	HHDT	GAS	Aggregated	Aggregated	51	6,638	1,027	1.47	0.00	
South Coast	2026	Annual	LDA	DSL	Aggregated	Aggregated	42,630	1,610,941	203,194	0.00	30.77	
South Coast	2026	Annual	LDA	GAS	Aggregated	Aggregated	4,187,856	151,809,382	19,744,735	4,507.99	0.00	
South Coast	2026	Annual	LDT1	DSL	Aggregated	Aggregated	197	4,860	713	0.00	0.21	
South Coast	2026	Annual	LDT1	GAS	Aggregated	Aggregated	521,800	18,505,352	2,419,987	642.25	0.00	
South Coast	2026	Annual	LDT2	DSL	Aggregated	Aggregated	12,201	472,831	59,382	0.00	12.25	
South Coast	2026	Annual	LDT2	GAS	Aggregated	Aggregated	1,500,003	54,105,074	7,049,551	1,946.71	0.00	
South Coast	2026	Annual	LHDT1	DSL	Aggregated	Aggregated	84,469	3,343,657	1,062,512	0.00	144.51	
South Coast	2026	Annual	LHDT1	GAS	Aggregated	Aggregated	107,091	3,784,881	1,595,490	343.72	0.00	
South Coast	2026	Annual	LHDT2	DSL	Aggregated	Aggregated	34,322	1,304,546	431,723	0.00	62.67	
South Coast	2026	Annual	LHDT2	GAS	Aggregated	Aggregated	18,657	635,998	277,964	66.38	0.00	
South Coast	2026	Annual	MCY	GAS	Aggregated	Aggregated	207,061	1,375,740	414,121	38.76	0.00	
South Coast	2026	Annual	MDV	DSL	Aggregated	Aggregated	26,599	968,712	129,119	0.00	32.43	
South Coast	2026	Annual	MDV	GAS	Aggregated	Aggregated	980,977	33,032,008	4,562,971	1,467.67	0.00	
South Coast	2026	Annual	MH	DSL	Aggregated	Aggregated	7,292	72,793	729	0.00	6.54	
South Coast	2026	Annual	MH	GAS	Aggregated	Aggregated	19,677	198,229	1,969	36.25	0.00	
South Coast	2026	Annual	MHDT	DSL	Aggregated	Aggregated	75,062	4,647,457	748,261	0.00	402.70	
South Coast	2026	Annual	MHDT	GAS	Aggregated	Aggregated	15,276	832,630	305,646	154.65	0.00	
South Coast	2026	Annual	OBUS	DSL	Aggregated	Aggregated	3,576	262,677	34,848	0.00	28.87	
South Coast	2026	Annual	OBUS	GAS	Aggregated	Aggregated	4,005	155,211	80,123	29.21	0.00	
South Coast	2026	Annual	SBUS	DSL	Aggregated	Aggregated	3,950	124,602	45,584	0.00	15.64	
South Coast	2026	Annual	SBUS	GAS	Aggregated	Aggregated	1,808	70,232	7,231	7.32	0.00	
South Coast	2026	Annual	UBUS	DSL	Aggregated	Aggregated	27	4,009	108	0.00	0.59	
South Coast	2026	Annual	UBUS	GAS	Aggregated	Aggregated	475	34,374	1,900	7.11	0.00	
							Totals	284,940,959.31		9,249.49	1,765.78	MPG Gallons Per Mile
							Total (GAS)	264,545,748.64	0.93			25.9 0.04
							Total (DSL)	20,395,210.67	0.07			28.6 0.03
												11.6 0.09

Sportsmen's Lodge Project
Los Angeles-South Coast County, Annual

Trip Summary Information

<i>Total</i>	<i>Average Daily Trip Rate</i>			<i>Annual VMT</i>
	<i>Weekday</i>	<i>Saturday</i>	<i>Sunday</i>	
Total	1,416.00	268.00	138.00	3,483,984

Gasoline and Diesel Usage

<i>Buildout Year</i>			<i>Existing (Baseline) Year</i>	
	<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Diesel</i>
<i>Miles/Gallon</i>	26.4	10.8	28.6	11.6
<i>% Fleet Mix</i>	93.4%	6.6%	92.8%	7.2%
Total (Gallons):	123,423	21,370	113,094	21,590

Energy by Land Use - Natural Gas

<i>Total</i>	<i>kBTU/yr</i>	<i>cu ft/year</i>
Total	3,224,190	3,070,657

Energy by Land Use - Electricity

<i>Land Uses</i>	<i>kWH/yr</i>
Total	1,073,299

Water Detail

<i>Land Uses</i>	<i>Indoor Use</i>	<i>Outdoor Use</i>	<i>Electricity Use</i>
	<i>(Mgal)</i>	<i>(Mgal)</i>	<i>(kWh/yr)</i>
Total	5.07	0.56	61,853

Notes: Indoor water results in 0.0111 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.009727 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod).

Sportsmen's Lodge Project
Los Angeles-South Coast County, Annual

	Average Daily Trip Rate			Annual VMT
	Weekday	Saturday	Sunday	
Project	6,576	6,750	6,263	21,668,839
Total	6,576	6,750	6,263	21,668,839

Gasoline and Diesel Usage

	Gasoline	Diesel
Miles/Gallon	26.4	10.8
% Fleet Mix	93.4%	6.6%
Total (Gallons):	767,637	132,913

Energy by Land Use - Natural Gas

	kBTU/yr	cu ft/year
Land Uses	9,789,926	9,323,739
Fireplaces	1,053,000	1,002,857
Total	10,842,926	10,326,596

Energy by Land Use - Electricity

Land Uses	kWH/yr
Total	4,453,640

Water Detail (Unmitigated)

	Indoor Use	Outdoor Use	Electricity Use
Land Uses	(Mgal)	(Mgal)	(kWh/yr)
Total	33.13	18.38	546,955

Notes: Indoor water results in 0.0111 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.009727 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod).