

Appendix D

Energy Analysis Spreadsheets

6000 Hollywood Boulevard

Draft EIR

Appendix D

Energy Analysis Spreadsheets

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6000 Hollywood

Summary of Energy Use During Construction

Electricity	
Water Consumption	9,183 kWh
Temporary Power (lighting, tools)	36,238 kWh
Electric Equipment	8,254 kWh
Total:	53,674 kWh
Gasoline	
On Road	169,647 Gallons
Off Road	0 Gallons
Total:	169,647 Gallons
Diesel	
On Road	281,806 Gallons
Off Road	134,073 Gallons
Total:	415,879 Gallons
Total Mobile	585,525

Summary of Energy Use During Operations

	Baseline (Buildout)	Buildout (No MXD or PDF)	Buildout	Project (No MXD or PDF)(Buildout - Baseline)	Project (Buildout - Baseline)	MXD Reduction	Units
Electricity							
Electricity (building)	423,840	4,959,228	6,752,724	4,535,389	6,328,884		kWh/year
Electricity (water)	20,493	221,097	221,097	200,604	200,604		kWh/year
EV Charging	0	114,903	114,903	114,903	114,903		kWh/year
Electricity Total	444,333	5,295,228	7,088,724	4,850,895	6,644,391		kWh/year
Natural Gas	1,076,922	6,361,908	269,970	5,284,986	-806,952		cu ft/year
Mobile							
Gasoline	55,552	407,191	270,074	351,638	214,522	-34%	Gallons/year
Diesel	9,662	70,820	46,972	61,158	37,310	-34%	Gallons/year
Mobile Total	65,214	478,011	317,046	412,797	251,832	-34%	Gallons/year

Construction Electricity Usage

Construction Electricity Usage

Caterpillar 40-C4.4 Generator^a

Peak Power Rating - Prime (kW)	36
Typical Load	70%
Average Output (kW)	25.2
Hours per Day	2
Average Daily Output (kWh)	50.4
Building Construction Phase Duration (days)	719
Total Construction (kWh)	36,238
Total Construction (MWh)	36.2

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

Calculation of Diesel Usage During Construction (Offroad Equipment):

Phase Name	Off Road Equipment Type	Units	Hours	HP	Load Factor	Avg. Daily Factor	Number of Days	Diesel Fuel Usage	
Demolition	Air Compressors	2	8	37	0.48	0.6	42	358	
Demolition	Concrete/Industrial Saws	1	8	33	0.73	0.6	42	243	
Demolition	Rubber Tired Loaders	1	8	150	0.36	0.6	42	544	
Demolition	Tractors/Loaders/Backhoes	2	8	84	0.37	0.6	42	627	
Demolition	Skid Steer Loaders	1	8	71	0.37	0.6	42	265	
Demolition	Excavators	1	8	158	0.38	0.6	42	605	
Grading	Bore/Drill Rigs	1	8	83	0.5	0.6	110	1,096	
Grading	Cranes	1	8	367	0.29	0.6	110	2,810	
Grading	Excavators	3	8	158	0.38	0.6	110	4,755	
Grading	Other Construction Equipment	1	8	82	0.42	0.6	110	909	
Grading	Rubber Tired Loaders	1	8	150	0.36	0.6	110	1,426	
Grading	Skid Steer Loaders	1	8	71	0.37	0.6	110	694	
Grading	Tractors/Loaders/Backhoes	4	8	84	0.37	0.6	110	3,282	
Grading	Trenchers	1	8	40	0.5	0.6	110	528	
Grading	Pumps	2	8	11	0.74	0.6	110	430	
Grading	Rollers	1	8	36	0.38	0.6	110	361	
Mat Foundation	Pumps	4	12	11	0.74	0.6	43	504	
Mat Foundation	Plate Compactors	1	12	8	0.43	0.6	43	53	
Mat Foundation	Rough Terrain Forklifts	1	12	96	0.4	0.6	43	594	
Mat Foundation	Skid Steer Loaders	1	12	71	0.37	0.6	43	407	
Mat Foundation	Tractors/Loaders/Backhoes	2	12	84	0.37	1.6	43	2,566	
Mat Foundation	Trenchers	2	12	40	0.5	0.6	43	619	
Mat Foundation	Welders	1	12	46	0.45	0.6	43	320	
Mat Foundation	Cement and Mortar Mixers	4	12	10	0.56	0.6	43	347	
Foundation	Concrete/Industrial Saws	1	8	33	0.73	0.6	43	249	
Foundation	Pumps	2	8	11	0.74	0.6	43	168	
Foundation	Plate Compactors	2	8	8	0.43	0.6	43	71	
Foundation	Rough Terrain Forklifts	1	8	96	0.4	0.6	43	396	
Foundation	Trenchers	2	8	40	0.5	0.6	43	413	
Foundation	Welders	1	8	46	0.45	0.6	43	214	
Foundation	Cement and Mortar Mixers	2	8	10	0.56	0.6	43	116	
Building Construction	Aerial Lifts	4	8	46	0.31	0.6	719	9,843	
Building Construction	Air Compressors	4	8	37	0.48	0.6	719	12,259	
Building Construction	Concrete/Industrial Saws	1	8	33	0.73	0.6	719	4,157	
Building Construction	Cranes	2	8	367	0.29	0.6	719	36,731	
Building Construction	Pumps	4	8	11	0.74	0.6	719	5,619	
Building Construction	Rough Terrain Forklifts	3	8	96	0.4	0.6	719	19,879	
Building Construction	Trenchers	1	8	40	0.5	0.6	719	3,451	
Building Construction	Welders	1	8	46	0.45	0.6	719	3,572	
Building Construction	Forklifts	3	8	82	0.2	0.6	719	8,490	
Paving	Cement and Mortar Mixers	1	8	10	0.56	0.6	87	117	
Paving	Concrete/Industrial Saws	1	8	33	0.73	0.6	87	503	
Paving	Pavers	1	8	81	0.42	0.6	87	710	
Paving	Plate Compactors	1	8	8	0.43	0.6	87	72	
Paving	Rollers	1	8	36	0.38	0.6	87	286	
Paving	Rough Terrain Forklifts	1	8	96	0.4	0.6	87	802	
Paving	Skid Steer Loaders	1	8	71	0.37	0.6	87	549	
Paving	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	87	649	
Paving	Trenchers	1	8	40	0.5	0.6	87	418	
Total Diesel Usage for Construction (Offr								134,073.0	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.

EMFAC2021 Emissions Inventory

Region Type: County

Region: Los Angeles

Calendar Year: 2026

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	Veh_Class	Fuel	Speed (miles/hr)	Population (vehicles)	VMT (miles/day)	Trips (trips/day)	Fuel_Gas (1000 gallons/day)	Fuel_DSL (1000 gallons/day)	Miles per Gallon
South Coast	LDA	Gasoline	Aggregate	3,294,447	129,517,422	15,284,837	4,349	0	29.8
South Coast	LDT1	Gasoline	Aggregate	309,047	11,251,578	1,361,992	452	0	24.9
South Coast	LDT2	Gasoline	Aggregate	1,657,464	68,121,910	7,802,414	2,800	0	24.3
Construction Worker Trip (Composite LDA/LDT1/LDT2):									27.2
South Coast	HHDT	Diesel	Aggregate	56,774	7,075,238	888,983	0	1137.4	6.2

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.

Calculation of Gasoline and Diesel Usage During Construction (Onroad Vehicles):

Phase Name	Daily Worker Trips	Daily Vendor Trips	Daily Haul 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
Demolition	25	0	50	42	1050	0	2100	18.5	10.2	30	19425	0	63000	0.6	428.7	10,127.7
Grading	75	10	300	110	8250	1100	33000	18.5	10.2	30	152625	11220	990000	0.6	3,368.0	160,231.3
Mat Foundation	75	1000	0	43	3225	43000	0	18.5	12	20	59662.5	516000	0	0.6	1,316.6	49,770.3
Building Foundation	75	100	0	43	3225	4300	0	18.5	10.2	20	59662.5	43860	0	0.6	1,316.6	4,230.5
Building Construction	550	80	0	719	395450	57520	0	18.5	10.2	20	7315825	586704	0	0.6	161,441.0	56,590.0
Paving	50	10	0	87	4350	870	0	18.5	10.2	20	80475	8874	0	0.6	1,775.9	855.9
Architectural Coating	0	0	0	175	0	0	0	18.5	10.2	20	0	0	0	0.6	0.0	0.0
Total:														169,646.8	281,805.6	

Worker Miles per gallon= 27.19 gasoline
 Vendor/Haul miles per gallon= 6.22 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)

Water Usage for Control of Fugitive Dust during Construction:

Phase	Days	Average Daily Acreage Disturbed	Gallons Per Year	Electricity (kWhr)
Demolition	42	2.0	253,680	2,468
Grading	110	2.0	664,400	6,463
Mat Foundation	43	0.1	12,986	126
Building Foundation	43	0.1	12,986	126
Building Construction	719	0	0	0
Paving	87	0	0	0
Architectural Coating	175	0	0	0
Total:			944,052	9,183

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).

6000 Hollywood - Existing Operations
Los Angeles-South Coast County, Annual

Land Use Details

<i>Land Uses</i>	<i>Size</i>	<i>Metric</i>	<i>Lot Acreage</i>	<i>Floor Surface Area</i>	<i>Population</i>
Automobile Care Center	32	1000sqft	0.73	31,833	0
Parking Lot	130	1000sqft	2.75		0

Trip Summary Information

<i>Land Uses</i>	<i>Average Daily Trip Rate</i>			<i>Annual VMT</i>
	<i>Weekday</i>	<i>Saturday</i>	<i>Sunday</i>	
Total	640.00	640.00	640.00	1,540,300

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>	26.1	9.1	23.5	8.2
<i>% Fleet Mix</i>	94.3%	5.7%	95.0%	5.0%
Total (Gallons):	55,552	9,662	62,421	9,298

Energy by Land Use - Natural Gas Existing (Baseline and Buildout Years)

<i>Land Uses</i>	<i>kBTU/yr</i>	<i>cu ft/year</i>
Automobile Care Center	1,130,768	1,076,922
Parking Lot	0	0
Total	1,130,768	1,076,922

Energy by Land Use - Electricity Existing (Baseline and Buildout Years)

<i>Land Uses</i>	<i>kWH/yr</i>
Automobile Care Center	309,960
Parking Lot	113,880
Total	423,840

Water - Detail Existing (Baseline and Buildout Years)

<i>Land Uses</i>	<i>Indoor Use</i>		<i>Electricity</i>
	<i>(Mgal)</i>	<i>Outdoor Use (Mgal)</i>	<i>Use (kWh/yr)</i>
Automobile Care Center	3.011	0.000	20,493
Parking Lot	0.000	0.000	0
Total	3.011	0.000	20,493

Notes: Indoor water results in 0.00687 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.005306 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod).

**6000 Hollywood - Buildout Operations Without MXD
Los Angeles-South Coast County, Annual**

Land Use Details

<i>Land Uses</i>	<i>Size</i>	<i>Metric</i>	<i>Lot Acreage</i>	<i>Floor Surface Area</i>	<i>Population</i>
Apartments Mid Rise	350	Dwelling Unit	3.73	342643	828
General Office Building	136	1000sqft	0	136000	
High Turnover (Sit Down Restaurant)	4.038	1000sqft	0	4038	
Enclosed Parking with Elevator	894	Space	8.045999654	357600	
Other Non-Asphalt Surfaces	42.602	1000sqft	0.978007327	0	
Strip Mall	18.504	1000sqft	0	18504	
Recreational Swimming Pool	0.765	1000sqft	0.017561983	765	

Trip Summary Information

<i>Land Uses</i>	<i>Average Daily Trip Rate</i>			<i>Annual VMT</i>
	<i>Weekday</i>	<i>Saturday</i>	<i>Sunday</i>	
Total	4,689	4,689	4,689	11,290,180

Gasoline and Diesel Usage

	<i>Gasoline</i>	<i>Diesel</i>
<i>Miles/Gallon</i>	26.1	9.1
<i>% Fleet Mix</i>	94.3%	5.7%
Total (Gallons):	407,191	70,820

Note: Fleet mix is 92.3% gasoline @ 30.6 miles/gallon and 7.7% diesel @ 12.1 miles/gallon.

Energy by Land Use - Natural Gas

<i>Land Uses</i>	<i>kBTU/yr</i>	<i>cu ft/year</i>
Apartments Mid Rise	3,473,876	3,308,453
General Office Building	2,732,493	2,602,374
High Turnover (Sit Down Restaurant)	382,518	364,303
Enclosed Parking with Elevator	0	
Other Non-Asphalt Surfaces	0	0
Strip Mall	91,116	86,777
Recreational Swimming Pool	0	0
Total	6,680,003	6,361,908

Energy by Land Use - Electricity

<i>Land Uses</i>	<i>kWH/yr</i>
Apartments Mid Rise	1,149,223
General Office Building	2,166,310
High Turnover (Sit Down Restaurant)	131,518
Enclosed Parking with Elevator	1,320,056
Other Non-Asphalt Surfaces	0
Strip Mall	184,236
Recreational Swimming Pool	7,886
Total	4,959,228

Water Detail (Unmitigated)

<i>Land Uses</i>	<i>Indoor Use (Mgal)</i>	<i>Outdoor Use (Mgal)</i>	<i>Electricity Use (kWh/yr)</i>
Apartments Mid Rise	10.437	0.761	75,082
General Office Building	19.337	0.000	131,630
High Turnover (Sit Down Restaurant)	0.981	0.000	6,675
Enclosed Parking with Elevator	0.000	0.000	0
Other Non-Asphalt Surfaces	0.000	0.000	0
Strip Mall	1.097	0.000	7,464
Recreational Swimming Pool	0.036	0.000	246
Total	31.89	0.76	221,097

Notes: Indoor water results in 0.00687 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.005306 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod).

**6000 Hollywood - Buildout Operations
Los Angeles-South Coast County, Annual**

Land Use Details

<i>Land Uses</i>	<i>Size</i>	<i>Metric</i>	<i>Lot Acreage</i>	<i>Floor Surface Area</i>	<i>Population</i>
Apartments Mid Rise	350	Dwelling Unit	3.73	342643	828
General Office Building	136	1000sqft	0	136000	
High Turnover (Sit Down Restaurant)	4.038	1000sqft	0	4038	
Enclosed Parking with Elevator	894	Space	8.045999653637	357600	
Other Non-Asphalt Surfaces	42.602	1000sqft	0.978007327243	0	
Strip Mall	18.504	1000sqft	0	18504	
Recreational Swimming Pool	0.765	1000sqft	0.017561983130	765	

Trip Summary Information

<i>Land Uses</i>	<i>Average Daily Trip Rate</i>			<i>Mitigated</i>
	<i>Weekday</i>	<i>Saturday</i>	<i>Sunday</i>	
Total	3,077	3,077	3,077	7,488,340

Gasoline and Diesel Usage

	<i>Gasoline</i>	<i>Diesel</i>
<i>Miles/Gallon</i>	26.1	9.1
<i>% Fleet Mix</i>	94.3%	5.7%
Total (Gallons):	270,074	46,972

Note: Fleet mix is 92.3% gasoline @ 30.6 miles/gallon and 7.7% diesel @ 12.1 miles/gallon.

Energy by Land Use - Natural Gas

<i>Land Uses</i>	<i>kBTU/yr</i>	<i>cu ft/year</i>
Apartments Mid Rise	0	0
General Office Building	0	0
High Turnover (Sit Down Restaurant)	283,468	269,970
Enclosed Parking with Elevator	0	0
Other Non-Asphalt Surfaces	0	0
Strip Mall	0	0
Recreational Swimming Pool	0	0
Total	283,468	269,970

Energy by Land Use - Electricity

<i>Land Uses</i>	<i>kWH/yr</i>
Apartments Mid Rise	1,396,788
General Office Building	3,020,254
High Turnover (Sit Down Restaurant)	207,263
Enclosed Parking with Elevator	1,320,056
Other Non-Asphalt Surfaces	0
Strip Mall	264,858
Recreational Swimming Pool	543,505
Total	6,752,724

Note: Reduction in electricity usage reflects 2019 Title 24 energy efficiency standards and 25% for lighting.

Water Detail (Unmitigated)

<i>Land Uses</i>	<i>Indoor Use (Mgal)</i>	<i>Outdoor Use (Mgal)</i>	<i>Electricity Use (kWh/yr)</i>
Apartments Mid Rise	10.437	0.761	75,082
General Office Building	19.337	0.000	131,630
High Turnover (Sit Down Restaurant)	0.981	0.000	6,675
Enclosed Parking with Elevator	0.000	0.000	0
Other Non-Asphalt Surfaces	0.000	0.000	0
Strip Mall	1.097	0.000	7,464
Recreational Swimming Pool	0.036	0.000	246
Total	31.89	0.76	221,097

Notes: Indoor water results in 0.00687 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.005306 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod). The City of Los Angeles Green Building Code (Chapter IX, Article 9, of the LAMC) requires newly constructed non-residential and high-rise residential buildings to reduce indoor water use by at least 20 percent by: (1) using water saving fixtures or flow restrictions; and/or (2) demonstrating a 20 percent reduction in baseline water

6000 Hollywood

All Electric Calculation

CAPCOA Consumption Rate

Building Type	Natural Gas (Therm/yr/KSF)							Electricity (kWh/yr/KSF)						
	Water Heater	Primary Heat	Cooking	Dryer	Cooling	Misc	Refrig.	Water Heater	Primary Heat	Cooking	Dryer	Cooling	Misc	Refrig.
Apartment High Rise	268	48	20	17	31	35	NA	1052	350	262	365	397	560	NA
General Office	20	119	1	NA	18	43	1	46	396	9	NA	3103	2714	11
High Turnover (Sit Down Restaurant)	90	37	702	NA	48	67	4	35	268	1279	NA	3254	8965	6236
Strip Mall	1	4	0	NA	7	34	3	24	28	27	NA	1249	2867	162

³ California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emissions Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Appendix C. Table E-15. December 2021. Note: Residential use provides aux. heat which was included under cooling (residential use does not provide a natural gas usage for cooling or refrigeration). In addition, Table E-15 cites that the sample size for several end uses and housing types was limited and should be used with caution.

Project Energy Demand

Project Uses	Amount (DU/KSF)	Natural Gas (Therm/yr/KSF)							Electricity (kWh/yr/KSF)								
		Water Heater	Primary Heat	Cooking	Dryer	Cooling	Misc	Refrig.	Total	Water Heater	Primary Heat	Cooking	Dryer	Cooling	Misc	Refrig.	Total
Apartment High Rise	350	93,800	16,800	7,000	5,950	10,850	12,250	NA	146,650	368,200	122,500	91,700	127,750	138,950	196,000	NA	1,045,100
General Office	136	2,720	16,184	136	NA	2,448	5,848	136	27,472	6,256	53,856	1,224	NA	422,008	369,104	1,496	853,944
High Turnover (Sit Down Restaurant)	4,038	363	149	2,835	NA	194	271	16	3,828	141	1,082	0	NA	13,140	36,201	25,181	75,745
Strip Mall	18.504	19	74	0	NA	130	629	56	907	444	518	500	NA	23,111	53,051	2,998	80,622
Total		96,902	33,207	9,971	5,950	13,621	18,998	208	178,857	375,041	177,956	93,424	127,750	597,209	654,356	29,675	1,974,789

CalEEMod Adjustments

Default Values

	Total		Total Natural	
	Electricity	Gas	Check	Difference between CalEEMod and CAPCOA natural gas usage
Apartment High Rise	1,149,223	3,473,876	14,665,000	322%
General Office	2,166,310	2,732,493	2,747,200	1%
High Turnover (Sit Down Restaurant)	131,518	382,518	382,802	0%
Strip Mall	184,236	91,116		
Enclosed Parking with Elevator	1,320,055	0		
Total	4,951,342	6,680,003	17,885,672	

Adjusted Values

	Total		Total Natural	
	Electricity	Gas		Note: Includes an adjustment to account for difference between CalEEMod and CAPCOA natural gas usage
Apartment High Rise	1,396,788	0		
General Office	3,020,254	0		
High Turnover (Sit Down Restaurant)	207,263	283,468		
Strip Mall	264,858	0		
Enclosed Parking with Elevator	1,320,055	0		
Total	6,209,218	283,468		

Additional Sources

Swimming Pool	Natural Gas (Btu/hr)			Electricity (kWh/yr for an average single-family residential pool)			
	Pool and Spa Heat			Heat Pump	Pool Pump	Spa Pump	
	800,000			525600	2898	683	
	Natural Gas (kbtu/yr)			Electricity (kWh/yr)			
	1,752,000			525600	14490	3415	543505

- Pool and Spa heat based on 2 (400,000 btu/hr) natural gas heaters 6 hours per day for 365 days/yr.
- Pool and spa pumps electricity usage is based on 2019 California Residential Appliance Saturation Study, Page 14: <https://www.energy.ca.gov/sites/default/files/2021-08/CEC-200-202-1-005-RSLTS.pdf>
- Project pool and spa are conservatively estimated to be approximately 5 times the average single family residential pool.
- Electric pool heat (heat pump) assumes conversion of 1 therm = 30 kwh.

Total with CalEEMod Defaults

	Total		Compliance with Ordinance No. 187,714	
	Electricity	Gas	Electricity	Gas
Land Uses	4,951,342	6,680,003	6,209,218	283,468
Swimming Pool	17,905	1,752,000		543,505
Total:	4,969,247	8,432,003	6,752,723	283,468
Difference in Energy Use with Implementation of PDF-GHG-1 or Compliance with Ordinance No. 187,714:			1,783,476	-8,148,535
Percent Change:			36%	-97%

Peak Electricity Demand Calculations

Electrical Load Factor Equation

$$f_{Load} = \frac{\text{Average load}}{\text{Maximum load in given time period}}$$

Load Factor (%)¹ **52%**

Project Electricity Demand (Operational)

	Baseline (Existing)	Project	Net Increase
Annual Demand			
Building (MWh)	424	5,074	4,650
Water (MWh)	20	221	201
Total (MWh)	444	5,295	4,851

Average Daily Demand

Building (kWh)	1,161	13,902	12,741
Water (kWh)	56	606	550
Total (kWh)	1,217	14,507	13,290

Average Load

Building (kW)	48	579	531
Water (kW)	2	25	23
Total (kW)	51	604	554

Peak Load Calculation

Peak Load (kW)	95	1,139	1,044
Systemwide Peak Load (MW)	5,907	5,907	5,907
Percent of Peak			0.018%

¹2017 Report: System Efficiency of California's Electric Grid. California Public Utilities Commission 2017. Page 11, Figure 6. Visual estimate.

EMFAC Emission inventories for County

EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Los Angeles

Calendar Year: **2026** (Construction Start Year)

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Fuel_Gasoline (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2026	HHDT	Aggregatec	Aggregatec	Diesel	0.00	1137.39
Los Angeles	2026	HHDT	Aggregatec	Aggregatec	Gasoline	0.60	0.00
Los Angeles	2026	LDA	Aggregatec	Aggregatec	Diesel	0.00	5.43
Los Angeles	2026	LDA	Aggregatec	Aggregatec	Gasoline	4348.93	0.00
Los Angeles	2026	LDT1	Aggregatec	Aggregatec	Diesel	0.00	0.08
Los Angeles	2026	LDT1	Aggregatec	Aggregatec	Gasoline	452.49	0.00
Los Angeles	2026	LDT2	Aggregatec	Aggregatec	Diesel	0.00	7.36
Los Angeles	2026	LDT2	Aggregatec	Aggregatec	Gasoline	2800.01	0.00
Los Angeles	2026	LHDT1	Aggregatec	Aggregatec	Diesel	0.00	134.85
Los Angeles	2026	LHDT1	Aggregatec	Aggregatec	Gasoline	358.04	0.00
Los Angeles	2026	LHDT2	Aggregatec	Aggregatec	Diesel	0.00	71.32
Los Angeles	2026	LHDT2	Aggregatec	Aggregatec	Gasoline	58.26	0.00
Los Angeles	2026	MCY	Aggregatec	Aggregatec	Gasoline	24.78	0.00
Los Angeles	2026	MDV	Aggregatec	Aggregatec	Diesel	0.00	18.51
Los Angeles	2026	MDV	Aggregatec	Aggregatec	Gasoline	1895.54	0.00
Los Angeles	2026	MH	Aggregatec	Aggregatec	Diesel	0.00	6.30
Los Angeles	2026	MH	Aggregatec	Aggregatec	Gasoline	31.54	0.00
Los Angeles	2026	MHDT	Aggregatec	Aggregatec	Diesel	0.00	291.63
Los Angeles	2026	MHDT	Aggregatec	Aggregatec	Gasoline	147.17	0.00
Los Angeles	2026	OBUS	Aggregatec	Aggregatec	Diesel	0.00	24.28
Los Angeles	2026	OBUS	Aggregatec	Aggregatec	Gasoline	26.17	0.00
Los Angeles	2026	SBUS	Aggregatec	Aggregatec	Diesel	0.00	5.06
Los Angeles	2026	SBUS	Aggregatec	Aggregatec	Gasoline	7.54	0.00
Los Angeles	2026	UBUS	Aggregatec	Aggregatec	Diesel	0.00	0.93
Los Angeles	2026	UBUS	Aggregatec	Aggregatec	Gasoline	6.65	0.00
Los Angeles	2026	LDA	Aggregatec	Aggregatec	Plug-in Hybrid	82.30	0.00
Los Angeles	2026	LDT1	Aggregatec	Aggregatec	Plug-in Hybrid	0.70	0.00
Los Angeles	2026	LDT2	Aggregatec	Aggregatec	Plug-in Hybrid	14.79	0.00
Los Angeles	2026	MDV	Aggregatec	Aggregatec	Plug-in Hybrid	8.49	0.00
						3,746,357,298	621,640,500
Fuel Usage for Project Construction						169,647	415,879
Percentage of County for Construction						0.0045%	0.067%

EMFAC Emission inventories for County

EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Los Angeles

Calendar Year: **2029** (Operational Start Year)

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Fuel_Gasoline (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2029	HHDT	Aggregatec	Aggregatec	Diesel	0.00	1128.39
Los Angeles	2029	HHDT	Aggregatec	Aggregatec	Gasoline	0.48	0.00
Los Angeles	2029	LDA	Aggregatec	Aggregatec	Diesel	0.00	3.77
Los Angeles	2029	LDA	Aggregatec	Aggregatec	Gasoline	3965.78	0.00
Los Angeles	2029	LDT1	Aggregatec	Aggregatec	Diesel	0.00	0.01
Los Angeles	2029	LDT1	Aggregatec	Aggregatec	Gasoline	415.02	0.00
Los Angeles	2029	LDT2	Aggregatec	Aggregatec	Diesel	0.00	7.64
Los Angeles	2029	LDT2	Aggregatec	Aggregatec	Gasoline	2783.98	0.00
Los Angeles	2029	LHDT1	Aggregatec	Aggregatec	Diesel	0.00	141.74
Los Angeles	2029	LHDT1	Aggregatec	Aggregatec	Gasoline	332.50	0.00
Los Angeles	2029	LHDT2	Aggregatec	Aggregatec	Diesel	0.00	75.52
Los Angeles	2029	LHDT2	Aggregatec	Aggregatec	Gasoline	53.18	0.00
Los Angeles	2029	MCY	Aggregatec	Aggregatec	Gasoline	25.53	0.00
Los Angeles	2029	MDV	Aggregatec	Aggregatec	Diesel	0.00	17.84
Los Angeles	2029	MDV	Aggregatec	Aggregatec	Gasoline	1853.90	0.00
Los Angeles	2029	MH	Aggregatec	Aggregatec	Diesel	0.00	6.73
Los Angeles	2029	MH	Aggregatec	Aggregatec	Gasoline	30.51	0.00
Los Angeles	2029	MHDT	Aggregatec	Aggregatec	Diesel	0.00	284.57
Los Angeles	2029	MHDT	Aggregatec	Aggregatec	Gasoline	129.91	0.00
Los Angeles	2029	OBUS	Aggregatec	Aggregatec	Diesel	0.00	23.67
Los Angeles	2029	OBUS	Aggregatec	Aggregatec	Gasoline	21.56	0.00
Los Angeles	2029	SBUS	Aggregatec	Aggregatec	Diesel	0.00	4.35
Los Angeles	2029	SBUS	Aggregatec	Aggregatec	Gasoline	7.74	0.00
Los Angeles	2029	UBUS	Aggregatec	Aggregatec	Diesel	0.00	0.26
Los Angeles	2029	UBUS	Aggregatec	Aggregatec	Gasoline	6.53	0.00
Los Angeles	2029	LDA	Aggregatec	Aggregatec	Plug-in Hybrid	84.35	0.00
Los Angeles	2029	LDT1	Aggregatec	Aggregatec	Plug-in Hybrid	1.26	0.00
Los Angeles	2029	LDT2	Aggregatec	Aggregatec	Plug-in Hybrid	19.27	0.00
Los Angeles	2029	MDV	Aggregatec	Aggregatec	Plug-in Hybrid	11.23	0.00
						3,513,721,584	618,491,405
Net Fuel Usage for Project Operation						214,522	37,310
Percentage of County for Operation						0.0061%	0.0060%