Appendix E

Energy Calculations

Hollywood and Wilcox
Draft EIR
Appendix E
Energy Analysis Spreadsheets

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Hollywood and Wilcox - Energy Calculations

Summary of Energy Use During Construction

	Project With Project Features
Electricty	
Water Consumption	4,882.21 kWh
	43,848.00 kWh
Total:	**48,730.21** kWh
Gasoline	
On Road	89,295.48 Gallons
Off Road	-
Total:	**89,295.48** Gallons
Diesel	
On Road	62,886.44 Gallons
Off Road	53,758.13 Gallons
Total:	**116,644.57** Gallons

Summary of Energy Use During Operations

	Baseline (Buildout)	Project Without Project Features	Project With Project Features	Percent Reduction	Net (Project - Baseline (Buildout)
Electricity					
Electricity (building)	486,910	1,763,867	1,605,131 kWh/year	-9%	1,118,221
Electricity (water)	55,027	328,295	225,868 kWh/year	-31%	170,841
Electricity Total	541,937	2,092,163	1,830,999 kWh/year	-12%	1,289,062
Natural Gas	201,113	3,038,260	3,038,260 cu ft/year	0%	2,837,146
Mobile					
Gasoline	26,602	317,159	105,456 Gallons/year	-67%	78,854
Diesel	4,811	57,364	19,074 Gallons/year	-67%	14,262

Calculation of Diesel Usage During Cosnstruciton (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	1	8	78	0.48	0.6	21	189	
Demolition	Concrete/Industrial Saws	1	8	81	0.73	0.6	21	298	
Demolition	Excavators	2	8	158	0.38	0.6	21	605	
Demolition	Rubber Tired Dozers	0	8	247	0.4	0.6	21	0	
Demolition	Rubber Tired Loaders	1	8	203	0.36	0.6	21	368	
Demolition	Skid Steer Loaders	1	8	65	0.37	0.6	21	121	
Shoring / Excavation	Air Compressors	1	8	78	0.48	0.6	81	728	
Shoring / Excavation	Bore/Drill Rigs	2	8	221	0.5	0.6	81	4,296	
Shoring / Excavation	Cranes	1	8	231	0.29	0.6	81	1,302	
Shoring / Excavation	Excavators	1	8	158	0.38	0.6	81	1,167	
Shoring / Excavation	Graders	0	8	187	0.41	0.6	81	0	
Shoring / Excavation	Plate Compactors	1	8	8	0.43	0.6	81	67	
Shoring / Excavation	Rubber Tired Dozers	0	8	247	0.4	0.6	81	0	
Shoring / Excavation	Rubber Tired Loaders	1	8	203	0.36	0.6	81	1,421	
Shoring / Excavation	Tractors/Loaders/Backhoes	0	8	97	0.37	0.6	81	0	
Shoring / Excavation	Welders	4	8	46	0.45	0.6	81	1,610	
Foundation / Below Gı	Cranes	1	8	231	0.29	0.6	39	627	
Foundation / Below Gı	Excavators	0	8	158	0.38	0.6	39	0	
Foundation / Below Gı	Forklifts	2	8	89	0.2	0.6	39	333	
Foundation / Below Gı	Generator Sets	2	8	84	0.74	0.6	39	1,164	
Foundation / Below Gı	Graders	0	8	187	0.41	0.6	39	0	
Foundation / Below Gı	Plate Compactors	2	8	8	0.43	0.6	39	64	
Foundation / Below Gı	Pumps	1	8	84	0.74	0.6	39	582	
Foundation / Below Gı	Rubber Tired Dozers	0	8	247	0.4	0.6	39	0	
Foundation / Below Gı	Tractors/Loaders/Backhoes	0	8	97	0.37	0.6	39	0	
Foundation / Below Gı	Welders	0	8	46	0.45	0.6	39	0	
Tower Construction	Cranes	0	8	231	0.29	0.6	195	0	
Tower Construction	Forklifts	2	8	89	0.2	0.6	195	1,666	
Tower Construction	Generator Sets	0	8	84	0.74	0.6	195	0	
Tower Construction	Pumps	2	8	84	0.74	0.6	195	5,818	
Tower Construction	Tractors/Loaders/Backhoes	0	7	97	0.37	0.6	195	0	
Tower Construction	Welders	6	8	46	0.45	0.6	195	5,813	
Interior Finishes	Aerial Lifts	3	8	63	0.31	0.6	305	4,289	
Interior Finishes	Air Compressors	3	8	78	0.48	0.6	305	8,222	
Interior Finishes	Cranes	1	8	231	0.29	0.6	305	4,904	
Interior Finishes	Forklifts	2	8	89	0.2	0.6	305	2,606	
						Total Diesel Usage for Construction (Offr		**53,758.1**	**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.

EMFAC2014 Emissions Inventory
Region Type: Air Basin
Region: South Coast
Calendar Year: 2021
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	GAS	Aggregate	5983324.08	203406334.5	37758497.7	8962.552247	0	22.7
South Coast	LDT1	GAS	Aggregate	704120.722	23959701.08	4257214.069	1219.237627	0	19.7
South Coast	LDT2	GAS	Aggregate	1998564.65	72973317.94	12574607.68	4353.005354	0	16.8
							Construction Worker Trip (Composite LDA/LDT1/LDT2):		**20.5**
South Coast	T7	DSL	Aggregate	87795.947	13172387.8	0	0	2357.794852	**5.6**

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 construciton as EMFAC2011 has specific categories for vehicle class T7.

Calculation of Gasoline and Diesel Usage During Phase 1 Construction (Onroad Vehicles):

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	Gallons of Fuel	
							Worker	Vendor	Haul	Worker	Vendor	Haul	(worker and vendor)	Gasoline	Diesel
Demolition	24	0	21	504	0	400	14.7	6.9	35	7408.8	0	14000	0.6	217.4	2,505.9
Shoring / Excavation	100	8	81	8100	648	8286	14.7	6.9	35	119070	4471.2	290010	0.6	3,493.3	52,390.6
Foundation / Below Grade Parki	300	88	39	11700	3432	0	14.7	6.9	20	171990	23680.8	0	0.6	5,045.8	2,543.3
Tower Construction	500	29	195	97500	5655	0	14.7	6.9	20	1433250	39019.5	0	0.6	42,048.5	4,190.6
Interior Finishes	250	3	305	76250	915	0	14.7	6.9	20	1120875	6313.5	0	0.6	32,884.1	678.1
Architectural Coating	50	3	260	13000	780	0	14.7	6.9	20	191100	5382	0	0.6	5,606.5	578.0
Hardscape / Landscaping	20	0	87	1740	0	0	14.7	6.9	20	25578	0	0	0.6	750.4	0.0
													Total:	**89,295.5**	**62,886.4**

Worker Miles per gallon=	20.45	gasoline
Vedor/Haul miles per gallon=	5.59	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 Distrubed	Gallons Per Year	Electricity (kWhr)
Demolition	21	1.4	88,788	864
Shoring / Excavation	81	1.4	342,468	3,331
Foundation / Below Grade Parking	39	0.1	11,778	115
Tower Construction	195	0.1	58,890	573
Interior Finishes	240	0.0	0	0
Architectural Coating	261	0.0	0	0
		Total:	**501,924**	**4,882**

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).

Temporary Power (lighting, tools) During Construction:

Caterpillar 40-C4.4 Generator[a]	
Peak Power Rating - Prime (kW)	36
Typical Load	70%
Average Output (kW)	25.2
Hours per Day	4
Average Daily Output (kWh)	100.8
Building Construction Phase Duration (	435
Total Construction (kWh)	43,848
Total Construction (MWh)	43.8

[a]https://www.albancat.com/content/uploads/2014/06/40-C4.4-Spec-Sheet.pdf

EMFAC2014 Emissions Inventory
Region Type: Air Basin
Region: South Coast
Calendar Year: 2023
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	2023	Annual	LDA	GAS	Aggregated	Aggregated	6024892.36	204411014.4	38008860	9002.036428	0
South Coast	2023	Annual	LDA	DSL	Aggregated	Aggregated	20684.6091	646320.1766	127773.84	0	20.73006586
South Coast	2023	Annual	LDT1	GAS	Aggregated	Aggregated	715167.421	24337964.92	4319750	1237.610761	0
South Coast	2023	Annual	LDT1	DSL	Aggregated	Aggregated	1036.03555	34796.70649	6023.8764	0	1.138434427
South Coast	2023	Annual	LDT2	GAS	Aggregated	Aggregated	2035620.68	74239198.67	12799682	4425.023333	0
South Coast	2023	Annual	LDT2	DSL	Aggregated	Aggregated	972.634459	33603.68082	5990.5023	0	1.088989354
South Coast	2023	Annual	LHD1	GAS	Aggregated	Aggregated	315010.938	13517948.46	4693193.3	1009.835922	0
South Coast	2023	Annual	LHD1	DSL	Aggregated	Aggregated	101565.846	4188125.922	1277570.5	0	217.5304908
South Coast	2023	Annual	LHD2	GAS	Aggregated	Aggregated	32770.4649	1419347.806	488231.06	106.2709311	0
South Coast	2023	Annual	LHD2	DSL	Aggregated	Aggregated	33579.2964	1372552.393	422385.28	0	71.35215871
South Coast	2023	Annual	MCY	GAS	Aggregated	Aggregated	239153.182	1734033.754	478258.52	43.76882045	0
South Coast	2023	Annual	MDV	GAS	Aggregated	Aggregated	1702167.98	57409939.72	10474809	4364.996216	0
South Coast	2023	Annual	MDV	DSL	Aggregated	Aggregated	1719.69519	59054.83179	10537.792	0	1.90043029
South Coast	2023	Annual	MH	GAS	Aggregated	Aggregated	71140.43	811525.4315	7116.889	56.64261157	0
South Coast	2023	Annual	MH	DSL	Aggregated	Aggregated	12505.872	137103.2736	1250.5873	0	15.32432397
South Coast	2023	Annual	OBUS	GAS	Aggregated	Aggregated	7417.06883	277728.9582	338724.64	22.10989366	0
South Coast	2023	Annual	OBUS	DSL	Aggregated	Aggregated	6443.99024	528963.7578	0	0	76.50862765
South Coast	2023	Annual	SBUS	GAS	Aggregated	Aggregated	1682.66774	60449.88185	6730.6707	5.477044084	0
South Coast	2023	Annual	SBUS	DSL	Aggregated	Aggregated	4769.86491	170017.1666	0	0	23.57660606
South Coast	2023	Annual	T6	GAS	Aggregated	Aggregated	26016.6531	1241594.749	520541.18	93.51361996	0
South Coast	2023	Annual	T6	DSL	Aggregated	Aggregated	89765.5874	5433341.595	0	0	603.1229424
South Coast	2023	Annual	T7	GAS	Aggregated	Aggregated	1775.85949	232631.6212	35531.397	18.24136056	0
South Coast	2023	Annual	T7	DSL	Aggregated	Aggregated	90510.655	13827379.84	0	0	2458.554022
South Coast	2023	Annual	UBUS	GAS	Aggregated	Aggregated	1958.49382	210256.8243	7833.9755	19.12637837	0
South Coast	2023	Annual	UBUS	DSL	Aggregated	Aggregated	7612.62242	815969.7767	30450.489	0	199.7501056

					MPG	Gallons Per Mile
Totals	392,297,257.93		20,404.65	3,690.58	**16.3**	0.06
Total (GAS)	379,903,635.25	0.93			**18.6**	0.05
Total (DSL)	27,247,229.12	0.07			**7.4**	0.14

Hollywood and Wilcox - Existing Operations
Los Angeles-South Coast County, Annual

Land Use Details

Land Uses	*Size*	*Metric*	*Lot Acreage*	*Floor Surface Area*	*Population*
General Office Building	14.88	1000sqft	1.4	14,880.00	0
Strip Mall	14.32	1000sqft	0	14,320	0
Parkling Lot	35.9	1000sqft	0	35,900.00	0

Trip Summary Information

Land Uses	*Average Daily Trip Rate*			*Unmitigated*	*Mitigated*
	Weekday	*Saturday*	*Sunday*		
General Office Building	164.13	36.60	15.62	401,698	145,354
Strip Mall	611.46	579.67	281.67	1,065,247	385,457
Parking Lot	0.00	0.00	0.00		
Total	**775.59**	**616.28**	**297.30**	**1,466,945**	**530,811**

Unmitigated Gasoline and Diesel Usage

	Gasoline	*Diesel*
Miles/Gallon	18.6	7.4
% Fleet Mix	93.3%	6.7%
Total (Gallons):	**26,602**	**4,811**

Energy by Land Use - Natural Gas

Land Uses	*kBTU/yr*	cu ft/year
General Office Building	185107	176,292
Strip Mall	26062	24,821
Parking Lot		0
Total	211,169	**201,113**

Energy by Land Use - Electricity

Land Uses	*kWH/yr*
General Office Building	226771
Strip Mall	228547
Parking Lot	31592
Total	**486,910**

Water Detail (Unmitigated)

Land Uses	*Indoor Use (Mgal)*	*Outdoor Use (Mgal)*	*Electricity Use (kWh/yr)*
General Office Building	2.11574	1.62093	39,275
Strip Mall	0.848575	0.650118	15,752
			0
Total	2.96	2.27	**55,027**

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).

Hollywood and Wilcox Project Operations Project Without Project Features
Los Angeles-South Coast County, Annual

Land Use Details

Land Uses	*Size*	*Metric*	*Lot Acreage*	*Floor Surface Area*
General Office Building	3.58	1000sqft	1.4	3,580.00
Enclosed Parking with Elevator	168	Space	0	89,680.00
Unenclosed Parking with Elevator	252	Space	0	96,380.00
High Turnover (Sit Down Restaurant)	3.20	1000sqft	0	3,200.00
Apartments High Rise	260.00	Dwelling Unit	0	261,092
Strip Mall	11.02	1000sqft	0	11,020.00

Trip Summary Information

Land Uses	*Average Daily Trip Rate*			*Unmitigated*
	Weekday	*Saturday*	*Sunday*	
Apartments High Rise	1,469.00	1,742.00	1276.00	5,059,142
Enclosed Parking with Elevator	0.00	0.00	0.00	0
Unenclosed Parking with Elevator	0.00	0.00	0.00	0
General Office Building	33.58	7.48	3.19	82,180
High Turnover (Sit Down Restaurant)	345.86	430.75	358.59	490,351
Strip Mall	400.03	379.42	184.36	696,870
Total	2,248.47	2,559.65	1,822.14	6,328,543

Unmitigated Gasoline and Diesel Usage

	Gasoline	*Diesel*
Miles/Gallon	18.6	7.4
% Fleet Mix	93.3%	6.7%
Total (Gallons):	**317,159**	**57,364**

Energy by Land Use - Natural Gas (Unmitigated)

Land Uses	*kBTU/yr*	cu ft/year
Apartments High Rise	2,396,400	2,282,286
Enclosed Parking with Elevator	0	0
Unenclosed Parking with Elevator	0	0
General Office Building	37,268	35,493
High Turnover (Sit Down Restaurant)	738,432	703,269
Strip Mall	18,073	17,212
Total	3,190,173	**3,038,260**

Energy by Land Use - Electricity (Unmitigated)

Land Uses	*kWH/yr*
Apartments High Rise	1,029,620
Enclosed Parking with Elevator	210,748
Unenclosed Parking with Elevator	186,977
General Office Building	46,504
High Turnover (Sit Down Restaurant)	141,248
Strip Mall	148,770
Total	**1,763,867**

Water Detail (Unmitigated)

Land Uses	*Indoor Use (Mgal)*	*Outdoor Use (Mgal)*	*Electricity Use (kWh/yr)*
Apartments High Rise	16.94	10.68	292,101
Enclosed Parking with Elevator	0.00	0.00	0
Unenclosed Parking with Elevator	0.00	0.00	0
General Office Building	0.64	0.39	10,863
High Turnover (Sit Down Restaurant)	0.97	0.06	11,395
Strip Mall	0.82	0.50	13,936
Total	19.36	11.63	**328,295**

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).

Hollywood and Wilcox Project Operations
Los Angeles-South Coast County, Annual

Land Use Details

Land Uses	*Size*	*Metric*	*Lot Acreage*	*Floor Surface Area*
General Office Building	3.58	1000sqft	1.4	3,580.00
Enclosed Parking with Elevator	168	Space	0	89680
Unenclosed Parking with Elevator	252	Space	0	96380
High Turnover (Sit Down Restaurant)	3.20	1000sqft	0	3,200.00
Apartments High Rise	260.00	Dwelling Unit	0	261092
Strip Mall	11.02	1000sqft	0	11,020.00

Trip Summary Information

Land Uses	*Average Daily Trip Rate*			*Mitigated*
	Weekday	*Saturday*	*Sunday*	
Apartments High Rise	1,469.00	1,742.00	1,276.00	1,682,165
Enclosed Parking with Elevator	0.00	0.00	0.00	0
Unenclosed Parking with Elevator	0.00	0.00	0.00	0
General Office Building	33.58	7.48	3.19	27,325
High Turnover (Sit Down Restaurant)	345.86	430.75	358.59	163,042
Strip Mall	400.03	379.42	184.36	231,709
Total	2,248.47	2,559.65	1,822.14	2,104,241

Mitigated Gasoline and Diesel Usage

	Gasoline	*Diesel*
Miles/Gallon	18.6	7.4
% Fleet Mix	93.3%	6.7%
Total (Gallons):	**105,456**	**19,074**

Energy by Land Use - Natural Gas (Mitigated)

Land Uses	*kBTU/yr*	cu ft/year
Apartments High Rise	2,396,400	2,282,286
Enclosed Parking with Elevator	0	0
Unenclosed Parking with Elevator	0	0
General Office Building	37,268	35,493
High Turnover (Sit Down Restaurant)	738,432	703,269
Strip Mall	18,073	17,212
Total	3,190,173	**3,038,260**

Energy by Land Use - Electricity (Mitigated)

Land Uses	*kWH/yr*
Apartments High Rise	1,029,620
Enclosed Parking with Elevator	210,748
Unenclosed Parking with Elevator	186,977
General Office Building	46,504
High Turnover (Sit Down Restaurant)	141,248
Strip Mall	148,770
PV Solar (105 kW)	-158,736
Total	**1,605,131**

Water Detail (Unmitigated)

Land Uses	*Indoor Use (Mgal)*	*Outdoor Use (Mgal)*	*Electricity Use (kWh/yr)*
Apartments High Rise	11.011	7.47572	195,060
Enclosed Parking with Elevator	0	0	0
Unenclosed Parking with Elevator	0	0	0
General Office Building	0.509029	0.389982	9,449
High Turnover (Sit Down Restaurant)	0.777046	0.0619984	9,237
Strip Mall	0.653023	0.5003	12,122
Total	12.95	8.43	**225,868**

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).

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)

Annual Demand	
Building (MWh)	1,605
Water (MWh)	226
Total (MWh)	1,831
Average Daily Demand	
Building (kWh)	4,398
Water (kWh)	619
Total (kWh)	5,016
Average Load	
Building (kW)	183
Water (kW)	26
Total (kW)	209

Peak Load Calculation

Peak Load (kW)	**378**
Systemwide Peak Load (MWh)	5,854
Percent of Peak	0.006%

[1]2017 Report: System Efficiency of California's Electric Grid. California Public Utilities Commission. 2017. Page 11, Figure 6. Visual estimate.

EMFAC Emission inventories for County

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: Los Angeles

Calendar Year: **2021**

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Fuel_Gasoline (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2021	LDA	Aggregatec	Aggregatec	GAS	8962.55	0.00
Los Angeles	2021	LDA	Aggregatec	Aggregatec	DSL	0.00	21.02
Los Angeles	2021	LDT1	Aggregatec	Aggregatec	GAS	1219.24	0.00
Los Angeles	2021	LDT1	Aggregatec	Aggregatec	DSL	0.00	1.14
Los Angeles	2021	LDT2	Aggregatec	Aggregatec	GAS	4353.01	0.00
Los Angeles	2021	LDT2	Aggregatec	Aggregatec	DSL	0.00	1.10
Los Angeles	2021	LHD1	Aggregatec	Aggregatec	GAS	984.90	0.00
Los Angeles	2021	LHD1	Aggregatec	Aggregatec	DSL	0.00	212.30
Los Angeles	2021	LHD2	Aggregatec	Aggregatec	GAS	103.40	0.00
Los Angeles	2021	LHD2	Aggregatec	Aggregatec	DSL	0.00	69.36
Los Angeles	2021	MCY	Aggregatec	Aggregatec	GAS	44.04	0.00
Los Angeles	2021	MDV	Aggregatec	Aggregatec	GAS	4277.21	0.00
Los Angeles	2021	MDV	Aggregatec	Aggregatec	DSL	0.00	1.86
Los Angeles	2021	MH	Aggregatec	Aggregatec	GAS	53.05	0.00
Los Angeles	2021	MH	Aggregatec	Aggregatec	DSL	0.00	14.29
Los Angeles	2021	OBUS	Aggregatec	Aggregatec	GAS	21.95	0.00
Los Angeles	2021	OBUS	Aggregatec	Aggregatec	DSL	0.00	74.24
Los Angeles	2021	SBUS	Aggregatec	Aggregatec	GAS	5.38	0.00
Los Angeles	2021	SBUS	Aggregatec	Aggregatec	DSL	0.00	23.78
Los Angeles	2021	T6	Aggregatec	Aggregatec	GAS	91.68	0.00
Los Angeles	2021	T6	Aggregatec	Aggregatec	DSL	0.00	592.78
Los Angeles	2021	T7	Aggregatec	Aggregatec	GAS	18.15	0.00
Los Angeles	2021	T7	Aggregatec	Aggregatec	DSL	0.00	2357.79
Los Angeles	2021	UBUS	Aggregatec	Aggregatec	GAS	18.71	0.00
Los Angeles	2021	UBUS	Aggregatec	Aggregatec	DSL	0.00	196.68
						7,355,942,097	1,301,717,305
					Fuel Usage for Project Construction	89,295	116,645
					Percentage of County for Construction	0.001%	0.009%

EMFAC Emission inventories for County

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: Los Angeles

Calendar Year: **2023**

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Fuel_Gasoline (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2023	LDA	Aggregatec	Aggregatec	GAS	9002.04	0.00
Los Angeles	2023	LDA	Aggregatec	Aggregatec	DSL	0.00	20.73
Los Angeles	2023	LDT1	Aggregatec	Aggregatec	GAS	1237.61	0.00
Los Angeles	2023	LDT1	Aggregatec	Aggregatec	DSL	0.00	1.14
Los Angeles	2023	LDT2	Aggregatec	Aggregatec	GAS	4425.02	0.00
Los Angeles	2023	LDT2	Aggregatec	Aggregatec	DSL	0.00	1.09
Los Angeles	2023	LHD1	Aggregatec	Aggregatec	GAS	1009.84	0.00
Los Angeles	2023	LHD1	Aggregatec	Aggregatec	DSL	0.00	217.53
Los Angeles	2023	LHD2	Aggregatec	Aggregatec	GAS	106.27	0.00
Los Angeles	2023	LHD2	Aggregatec	Aggregatec	DSL	0.00	71.35
Los Angeles	2023	MCY	Aggregatec	Aggregatec	GAS	43.77	0.00
Los Angeles	2023	MDV	Aggregatec	Aggregatec	GAS	4365.00	0.00
Los Angeles	2023	MDV	Aggregatec	Aggregatec	DSL	0.00	1.90
Los Angeles	2023	MH	Aggregatec	Aggregatec	GAS	56.64	0.00
Los Angeles	2023	MH	Aggregatec	Aggregatec	DSL	0.00	15.32
Los Angeles	2023	OBUS	Aggregatec	Aggregatec	GAS	22.11	0.00
Los Angeles	2023	OBUS	Aggregatec	Aggregatec	DSL	0.00	76.51
Los Angeles	2023	SBUS	Aggregatec	Aggregatec	GAS	5.48	0.00
Los Angeles	2023	SBUS	Aggregatec	Aggregatec	DSL	0.00	23.58
Los Angeles	2023	T6	Aggregatec	Aggregatec	GAS	93.51	0.00
Los Angeles	2023	T6	Aggregatec	Aggregatec	DSL	0.00	603.12
Los Angeles	2023	T7	Aggregatec	Aggregatec	GAS	18.24	0.00
Los Angeles	2023	T7	Aggregatec	Aggregatec	DSL	0.00	2458.55
Los Angeles	2023	UBUS	Aggregatec	Aggregatec	GAS	19.13	0.00
Los Angeles	2023	UBUS	Aggregatec	Aggregatec	DSL	0.00	199.75
						7,447,698,462	1,347,060,677
					Net Fuel Usage for Project Operation	78,854	14,262
					Percentage of County for Operation	0.0011%	0.0011%