

Appendix D

Energy Calculations

6136 Manchester

SCEA

Appendix E

Energy Analysis Spreadsheets

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6136 Manchester

Summary of Energy Use During Construction

Electricity	
Water Consumption	1,760 kWh
Temporary Power (lighting, tools)	15,322 kWh
Total:	17,081 kWh
Gasoline	
On Road	20,470 Gallons
Off Road	0 Gallons
Total:	20,470 Gallons
Diesel	
On Road	103,349 Gallons
Off Road	68,899 Gallons
Total:	172,248 Gallons
Total Mobile	192,717

Summary of Energy Use During Operations

	Baseline (Buildout)	Buildout Without Project Features	Buildout With Project Features	Percent Reduction due to Project Features	Project Without Project Features - Baseline (Buildout)	Project (Buildout - Baseline (Buildout)	Reduction (%)	Units
Electricity								
Electricity (building)	301,373	4,107,592	4,107,592	0%	3,806,219	3,806,219	0%	kWh/year
Electricity (water)	28,725	169,229	169,229	0%	140,505	140,505	0%	kWh/year
EV Charging	0	102,757	102,757	-	102,757	102,757	0%	kWh/year
Electricity Total	330,098	4,379,578	4,379,578	0%	4,049,481	4,049,481	0%	kWh/year
Natural Gas	856,621	718,513	718,513	0%	-138,108	-138,108	0%	cu ft/year
Mobile								
Gasoline	140,430	423,958	317,481	-25%	283,528	177,051	-38%	Gallons/year
Diesel	23,774	71,774	53,748	-25%	48,000	29,974	-38%	Gallons/year
Mobile Total	164,205	495,733	371,230	-25%	331,528	207,025	-38%	Gallons/year

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)	304
Total Construction (kWh)	15,322
Total Construction (MWh)	15.3

^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	Other Construction Equipment	2	8	82	0.42	0.6	20	331
Demolition	Excavators	1	8	158	0.38	0.6	20	288
Demolition	Rubber Tired Loaders	1	8	150	0.36	0.6	20	259
Grading	Bore/Drill Rigs	2	8	83	0.5	0.6	65	1,295
Grading	Cement and Mortar Mixers	2	8	10	0.56	0.6	65	175
Grading	Cranes	2	8	367	0.29	0.6	65	3,321
Grading	Excavators	2	8	158	0.38	0.6	65	1,873
Grading	Generator Sets	1	8	14	0.74	0.6	65	162
Grading	Graders	1	8	148	0.41	0.6	65	947
Grading	Other Construction Equipment	1	8	82	0.42	0.6	65	537
Grading	Pumps	1	8	11	0.74	0.6	65	127
Grading	Rough Terrain Forklifts	1	8	96	0.4	0.6	65	599
Grading	Rubber Tired Loaders	1	8	150	0.36	0.6	65	842
Grading	Tractors/Loaders/Backhoes	2	8	84	0.37	0.6	65	970
Building Foundation	Air Compressors	1	8	37	0.48	0.6	174	742
Building Foundation	Cement and Mortar Mixers	2	8	10	0.56	0.6	174	468
Building Foundation	Cranes	2	8	367	0.29	0.6	174	8,889
Building Foundation	Excavators	2	8	158	0.38	0.6	174	5,015
Building Foundation	Forklifts	2	8	82	0.2	0.6	174	1,370
Building Foundation	Pumps	2	8	11	0.74	0.6	174	680
Building Foundation	Rough Terrain Forklifts	2	8	96	0.4	0.6	174	3,207
Building Foundation	Signal Boards	2	8	6	0.82	0.6	174	411
Building Foundation	Tractors/Loaders/Backhoes	2	8	84	0.37	0.6	174	2,596
Building Foundation	Trenchers	1	8	40	0.5	0.6	174	835
Building Construction	Aerial Lifts	2	8	46	0.31	0.6	304	2,081
Building Construction	Cranes	2	8	367	0.29	0.6	304	15,530
Building Construction	Forklifts	4	8	82	0.2	0.6	304	4,786
Building Construction	Pumps	1	8	11	0.74	0.6	304	594
Building Construction	Signal Boards	2	8	6	0.82	0.6	304	718
Building Construction	Tractors/Loaders/Backhoes	2	8	84	0.37	0.6	304	4,535
Building Construction	Welders	2	8	46	0.45	0.6	304	3,021
Paving	Cranes	1	8	367	0.29	0.6	22	562
Paving	Pumps	4	8	11	0.74	0.6	22	172
Paving	Signal Boards	2	8	6	0.82	0.6	22	52
Paving	Surfacing Equipment	1	8	399	0.3	0.6	22	632
Paving	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	22	164
Total Diesel Usage for Construction (Offroad Equipment)								68,899.0 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: 2025

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	Gasoline	Aggregate	3,337,440	132,004,234	15,494,312	4,510	0	29.3
South Coast	LDT1	Gasoline	Aggregate	313,469	11,445,443	1,380,698	468	0	24.5
South Coast	LDT2	Gasoline	Aggregate	1,623,397	67,107,095	7,642,462	2,812	0	23.9
Construction Worker Trip (Composite LDA/LDT1/LDT2):									26.7
South Coast	HHDT	Diesel	Aggregate	55,408	6,966,404	865,912	0	1135.9	6.1

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	40	20	500	0	800	18.5	10.2	30	9250	0	24000	0.6	207.8	3,913.2
Grading	75	10	250	65	4875	650	16250	18.5	10.2	30	90187.5	6630	487500	0.6	2,025.6	80,136.3
Building Foundation	75	40	0	174	13050	6960	0	18.5	10.2	20	241425	70992	0	0.6	5,422.3	6,945.2
Building Construction	100	40	0	304	30400	12160	0	18.5	10.2	20	562400	124032	0	0.6	12,631.3	12,134.2
Paving/Landscape	20	10	0	22	440	220	0	18.5	10.2	20	8140	2244	0	0.6	182.8	219.5
Architectural Coating	0	0	0	86	0	0	0	18.5	10.2	20	0	0	0	0.6	0.0	0.0
Total:															20,469.8	103,348.5

Worker Miles per gallon=26.71 gasoline
Vedor/Haul miles per gallon=6.13 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	20	0.5	30,200	294
Grading	65	0.5	98,150	955
Building Foundation	174	0.1	52,548	511
Building Construction	304	0	0	0
Paving/Landscape	22	0	0	0
Architectural Coating	86	0	0	0
Total:			180,898	1,760

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).

6136 Manchester - Existing Operations Buildout Year
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	19.6	1000sqft	0.45	19,650	0
Fast Food Restaurant with Drive-Thru	2.17	10000sqft	0.05	2165	0
Parking Lot	23.6	1000sqft	0.54	23,600	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	1,357.00	1,357.00	1,357.00	3,786,145

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>	25.5	8.9	23.5	8.2
<i>% Fleet Mix</i>	94.4%	5.6%	95.0%	5.0%
Total (Gallons):	140,430	23,774	153,434	22,855

Energy by Land Use - Natural Gas

<i>Land Uses</i>	<i>kBTU/yr</i>	<i>cu ft/year</i>
Automobile Care Center	694,362	661,297
Fast Food Restaurant with Drive-Thru	205,090	195,324
Parking Lot		0
Total	899,452	856,621

Energy by Land Use - Electricity

<i>Land Uses</i>	<i>kWH/yr</i>
Automobile Care Center	190,335
Fast Food Restaurant with Drive-Thru	70,514
Parking Lot	40,524
Total	301,373

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>
Automobile Care Center	1.849	0.070	21,223
Fast Food Restaurant with Drive-Thru	0.675	0.000	7,502
Parking Lot	0.000	0.000	0
Total	2.524	0.070	28,725

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).

6136 Manchester - Buildout Operations Without Project Features
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>
Apartment Mid Rise	441	Dwelling Units	2.4	400,795	1052
High Turnover (Sit Down Restaurant)	5.37	1000sqft	0	5,373	0
Strip Mall	11	1000sqft	0	10,747	0
Enclosed Parking with Elevator	566	Space	0	226400	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	4,269	4,269	4,269	11,430,340

Gasoline and Diesel Usage

	<i>Gasoline</i>	<i>Diesel</i>
<i>Miles/Gallon</i>	25.5	8.9
<i>% Fleet Mix</i>	94.4%	5.6%
Total (Gallons):	423,958	71,774

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>
Apartment Mid Rise	0	0
High Turnover (Sit Down Restaurant)	754,439	718,513
Strip Mall	0	0
Enclosed Parking with Elevator	0	0
Total	754,439	718,513

Energy by Land Use - Electricity

<i>Land Uses</i>	<i>kWh/yr</i>
Apartment Mid Rise	2,764,847
High Turnover (Sit Down Restaurant)	376,592
Strip Mall	130,413
Enclosed Parking with Elevator	835,740
Total	4,107,592

Water Detail (Unmitigated)

<i>Land Uses</i>	<i>Indoor Use (Mgal)</i>	<i>Outdoor Use (Mgal)</i>	<i>Electricity Use (kWh/yr)</i>
Apartment Mid Rise	13.150	0.159	147,657
High Turnover (Sit Down Restaurant)	1.305	0.000	14,497
Strip Mall	0.637	0.000	7,076
Unenclosed Parking with Elevator	0.000	0.000	0
Total	15.09	0.16	169,229

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).

6136 Manchester - 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>
Apartment Mid Rise	441	Dwelling Units	2.4	400,795	1052
High Turnover (Sit Down Restaurant)	5.37	1000sqft	0	5,373	0
Strip Mall	11	1000sqft	0	10,747	0
Enclosed Parking with Elevator	566	Space	0	226400	0

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	3,173	3,173	3,173	8,559,615

Mitigated Gasoline and Diesel Usage

	<i>Gasoline</i>	<i>Diesel</i>
<i>Miles/Gallon</i>	25.5	8.9
<i>% Fleet Mix</i>	94.4%	5.6%
Total (Gallons):	317,481	53,748

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 (Mitigated)

<i>Land Uses</i>	<i>kBTU/yr</i>	<i>cu ft/year</i>
Apartment Mid Rise	0	0
High Turnover (Sit Down Restaurant)	754,439	718,513
Strip Mall	0	0
Unenclosed Parking with Elevator	0	0
Total	754,439	718,513

Energy by Land Use - Electricity (Mitigated)

<i>Land Uses</i>	<i>kWH/yr</i>
Apartment Mid Rise	2,764,847
High Turnover (Sit Down Restaurant)	376,592
Strip Mall	130,413
Unenclosed Parking with Elevator	835,740
Total	4,107,592

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>
Apartment Mid Rise	13.150	0.159	147,657
High Turnover (Sit Down Restaurant)	1.305	0.000	14,497
Strip Mall	0.637	0.000	7,076
Unenclosed Parking with Elevator	0.000	0.000	0
Total	15.09	0.16	169,229

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). 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 use. No reduction was applied to Elysian apartments.

6136 Manchester
All Electric Calculation

CAPCOA Consumption Rate ^a														
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.
Apartments Mid Rise	268	48	20	17	0	35	31	1052	350	262	365	397	560	0
Strip Mall	1	4	0	0	7	34	3	24	28	27		1249	2867	162
High Turnover (Sit Down Restaurant)	90	37	702	0	48	67	4	35	268	1279		3254	8965	6236

^a 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.

Project Energy Demand																				
Project Uses	Amount (DU/KSF)	Natural Gas (Therm/yr/KSF)								Electricity (kWh/yr/KSF)										
		Water		Primary Heat	Cooking	Dryer	Cooling	Misc	Refrig.	Total	Water Heater	Primary Heat	Cooking	Dryer	Cooling	Misc	Refrig.	title 24 Total	Non-title 24 total	Total
		Heater																		
Apartments Mid Rise	441	118,188	21,168	8,820	7,497	0	15,435	13,671	184,779	463,932	154,350	115,542	160,965	175,077	246,960	0	793,359	523,467		1,316,826
Strip Mall	5.373	5	21	0	0	38	183	16	263	129	150	145	0	6,711	15,404	870	6,990	16,420		23,410
High Turnover (Sit Down Restaurant)	10.747	967	398	7,544	0	516	720	43	10,188	376	2,880	13,745	0	34,971	96,347	67,018	38,227	163,365		201,592
Total		119,161	21,587	16,364	7,497	553	16,338	13,730	195,230	464,437	157,381	129,432	160,965	216,759	358,711	67,889	838,576	703,252		1,541,828

CalEEMod 2022 Default	Total Annual Consumption		Title 24		Non-Title 24	
	Electricity (kWh/yr)	Natural Gas (kBTU/yr)	Electricity (kWh/yr)	Natural Gas (kBTU/yr)	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Enclosed Parking	835,740	-	792,724	-	43,016	-
Apartments Mid Rise	1,448,021	4,377,083	363,193	3,667,436	1,084,828	709,647
Strip Mall	107,003	52,920	69,036	12,443	37,967	40,476
High Turnover (Sit Down Restaurant)	174,999	508,982	83,778	93,528	91,222	415,454
	2,565,763	4,938,985	1,308,731	3,773,407	1,257,033	1,165,577

With Adjustment for Input to CalEEMod	Total Annual Consumption		Title 24		Non-Title 24	
	Electricity (kWh/yr)	Natural Gas (kBTU/yr)	Electricity (kWh/yr)	Natural Gas (kBTU/yr)	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Enclosed Parking	835,740	-	792,724	-	43,016	-
Apartments Mid Rise	2,764,847	-	1,156,552	-	1,608,295	-
Strip Mall	130,413	-	76,026	-	54,387	-
High Turnover (Sit Down Restaurant)	376,591	754,439	122,005	-	254,587	754,439
	4,107,591	754,439	2,147,307	-	1,960,285	754,439

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		Net
Annual Demand	(Existing)	Project	Increase
Building (MWh)	301	4,210	3,909
Water (MWh)	21	169	148
Total (MWh)	323	4,380	4,057
Average Daily Demand			
Building (kWh)	826	11,535	10,710
Water (kWh)	58	464	405
Total (kWh)	884	11,999	11,115
Average Load			
Building (kW)	34	481	446
Water (kW)	2	19	17
Total (kW)	37	500	463

Peak Load Calculation

Peak Load (kW)	69	944	944
Systemwide Peak Load (MW)	5,820	5,820	5,820
Percent of Peak			0.016%

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

Fuel Usage for Project Construction	20,470	172,248
Percentage of County for Construction	0.0005%	0.028%

Vehicle Classification: EMFAC2011 Categories

Vehicle Classification: EMFAC2011 Categories						Fuel_Gasoline	Fuel_DSL
Region	CalYr	VehClass	MdlYr	Speed	Fuel	(1000 gallons/day)	(1000 gallons/day)
Los Angeles	2027	HHDT	Aggregater	Aggregater	Diesel	0.00	1137.13
Los Angeles	2027	HHDT	Aggregater	Aggregater	Gasoline	0.56	0.00
Los Angeles	2027	LDA	Aggregater	Aggregater	Diesel	0.00	4.83
Los Angeles	2027	LDA	Aggregater	Aggregater	Gasoline	4209.31	0.00
Los Angeles	2027	LDT1	Aggregater	Aggregater	Diesel	0.00	0.04
Los Angeles	2027	LDT1	Aggregater	Aggregater	Gasoline	439.06	0.00
Los Angeles	2027	LDT2	Aggregater	Aggregater	Diesel	0.00	7.47
Los Angeles	2027	LDT2	Aggregater	Aggregater	Gasoline	2794.50	0.00
Los Angeles	2027	LHDT1	Aggregater	Aggregater	Diesel	0.00	138.13
Los Angeles	2027	LHDT1	Aggregater	Aggregater	Gasoline	349.87	0.00
Los Angeles	2027	LHDT2	Aggregater	Aggregater	Diesel	0.00	73.25
Los Angeles	2027	LHDT2	Aggregater	Aggregater	Gasoline	56.57	0.00
Los Angeles	2027	MCY	Aggregater	Aggregater	Gasoline	25.06	0.00
Los Angeles	2027	MDV	Aggregater	Aggregater	Diesel	0.00	18.31
Los Angeles	2027	MDV	Aggregater	Aggregater	Gasoline	1880.52	0.00
Los Angeles	2027	MH	Aggregater	Aggregater	Diesel	0.00	6.45
Los Angeles	2027	MH	Aggregater	Aggregater	Gasoline	31.20	0.00
Los Angeles	2027	MHDT	Aggregater	Aggregater	Diesel	0.00	291.06
Los Angeles	2027	MHDT	Aggregater	Aggregater	Gasoline	141.80	0.00
Los Angeles	2027	OBUS	Aggregater	Aggregater	Diesel	0.00	24.06
Los Angeles	2027	OBUS	Aggregater	Aggregater	Gasoline	24.57	0.00
Los Angeles	2027	SBUS	Aggregater	Aggregater	Diesel	0.00	4.83
Los Angeles	2027	SBUS	Aggregater	Aggregater	Gasoline	7.62	0.00
Los Angeles	2027	UBUS	Aggregater	Aggregater	Diesel	0.00	0.41
Los Angeles	2027	UBUS	Aggregater	Aggregater	Gasoline	6.57	0.00
Los Angeles	2027	LDA	Aggregater	Aggregater	Plug-in Hybrid	83.16	0.00
Los Angeles	2027	LDT1	Aggregater	Aggregater	Plug-in Hybrid	0.87	0.00
Los Angeles	2027	LDT2	Aggregater	Aggregater	Plug-in Hybrid	16.26	0.00
Los Angeles	2027	MDV	Aggregater	Aggregater	Plug-in Hybrid	9.42	0.00
						3,638,036,665	622,683,521
Net Fuel Usage for Project Operation						177,051	29,974
Percentage of County for Operation						0.0049%	0.0048%