

# APPENDIX E

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ENERGY CALCULATION RESULTS

Parcel 1 Construction Fuel

On-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	2025 County Fuel	Percent Increase Countywide
Demolition	0	0		
Site Preparation/Grading	10	1,026		
Building Construction	306	30,102		
Paving	6	558		
Architectural Coating	2	150		
<b>Total</b>	<b>323</b>	<b>31,835</b>	<b>532,570,627</b>	<b>0.0060%</b>
<b>Off-Site Diesel<sup>1</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	38	3,708		
Paving	0	0		
Architectural Coating	0	0		
<b>Total</b>	<b>38</b>	<b>3,708</b>	<b>532,570,627</b>	<b>0.0007%</b>
<b>Off-Site Gasoline<sup>2</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	56		
Building Construction	109	12,359		
Paving	1	100		
Architectural Coating	2	202		
<b>Total</b>	<b>112</b>	<b>12,717</b>	<b>3,536,229,368</b>	<b>0.0004%</b>
Total Diesel Fuel		<b>35,543</b>	<b>532,570,627</b>	<b>0.0067%</b>
Total Gasoline Fuel		<b>12,717</b>	<b>3,536,229,368</b>	<b>0.0004%</b>
Total Construction Fuel	<b>473</b>	<b>48,260</b>		

Construction Phase <sup>3</sup>	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2026	0	0	0	3.708538183	0	0.134225423	6.704486507	0	0.35793446
2027									
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>
Construction Phase <sup>3</sup>	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2026	79	10	29						
2027	226	28	80	6	0	1	2	0	2
<b>Total</b>	<b>306</b>	<b>38</b>	<b>109</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>

Notes:

<sup>1</sup> Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

<sup>2</sup> Fuel used for worker trips assumed to be gasoline.

<sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Emission Details).

<sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

**Parcel 1 Operational Fuel**

Vehicle Type	Percent <sup>1</sup>	Annual VMT <sup>2</sup>	MPG <sup>3</sup>	Annual Fuel (Gallons)	Fuel Type	Los Angeles Gallons <sup>4</sup>	Los Angeles Percent	
Passenger Cars	0.92	1,186,152	21.6	54,914	Gas	3,536,229,368	0.0016%	
Light/Medium Trucks	0.07	83,525	17.2	4,856	Diesel	532,570,627	0.0009%	0.0013%
Heavy Trucks/Other	0.01	13,298	6.1	2,180	Diesel	532,570,627	0.0004%	
				7,036	Total Diesel			
<b>Total</b>	<b>1.00</b>	<b>1,282,975</b>						

Total VMT

**Fleet Mix -**

Land Use	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
Apartments Mid Rise	54.91377115	4.062801972	17.06828475	2.636555023	13.77182603	3.172160313	0.908721332	1.300224103	0.064554397	0.065169198	0.304846908	0.694564497	1.036520395
Parking Lot	54.91377115	4.062801972	17.06828475	2.636555023	13.77182603	3.172160313	0.908721332	1.300224103	0.064554397	0.065169198	0.304846908	0.694564497	1.036520395

Notes:

- <sup>1</sup> Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).
- <sup>2</sup> Total annual operational VMT based on mitigated annual VMT from CalEEMod (4.2 Trip Summary Information).
- <sup>3</sup> Average fuel economy derived from Department of Transportation.
- <sup>4</sup> Total annual county fuel per EMFAC 2017 model of projected operational fuel usage.

Parcel 1 Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy <sup>3</sup>	Percentage Increase
Electricity (kWh/yr)	358,070	68,484,956,280	0.0005%
Electricity (MWh/yr)	358	68,484,956	0.0005%
Electricity (GWh/yr)	0.358	68,484.96	0.0005%
Adjusted Electricity (GWh/yr)	0.920	68,485	0.0013%
Natural Gas (million therms)		419	
Natural Gas (kBTU/yr)	932,974	288,099,489,100	0.0003%
Natural Gas (therms)	9,330	2,880,994,891.00	0.0003%

Land Use	Electricity <sup>1</sup> (kWh/yr)		Natural Gas <sup>2</sup> (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Apartment	307930	307930	932974	932974
Parking Lot	50140	50140	0	0
<b>Total Energy</b>	<b>358,070</b>	<b>358,070</b>	<b>932,974</b>	<b>932,974</b>

Notes:

<sup>1</sup> Electricity use per CalEEMod (5.11 Energy by Land Use).

<sup>2</sup> Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

<sup>3</sup> County total energy values from California Energy Commission energy reports available through [ecdms.energy.ca.gov](http://ecdms.energy.ca.gov).

Parcel 1 Construction Water

Daily Soil Disturbance <sup>1</sup>	6	acres
Days of Soil Disturbance <sup>2</sup>	9	days
Water Concentration <sup>3</sup>	3,020	gallons/acre
Water Energy Intensity <sup>4</sup>	4,934	kWh/MG
Total Construction Water	0.16	million gallons
Construction Water Energy	805	kWh
Percentage Increase Countywide	0.000001%	

Notes:

<sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.

<sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

<sup>3</sup> Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

<sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.

Parcel 1 Operational Water

Mitigated Indoor	3	million gallons
Indoor Energy Intensity Factor <sup>1</sup>	6,476	kWh/MG
Mitigated Outdoor	1	million gallons
Outdoor Energy Intensity Factor <sup>2</sup>	4,934	kWh/MG
Operational Water Energy	23293.35153	kWh
Operational Water Energy	23.29335153	MWh
Operational Water Energy	0.023293352	GWh
Percentage Countywide	0.0000%	
Total water use	4	million gallons

Land Use <sup>3</sup>	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Apartment	3	1	3	1
Parking Lot	0	0	0	0
<b>Total Operational Water</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>1</b>

Notes:

<sup>1</sup> Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, distribution, and wastewater.

<sup>2</sup> Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, and distribution.

<sup>3</sup> Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Parcel 2 Construction Fuel

On-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	2022 County Fuel	Percent Increase Countywide
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	371	36,549		
Paving	11	1,090		
Architectural Coating	1	120		
<b>Total</b>	<b>383</b>	<b>37,758</b>	<b>532,570,627</b>	<b>0.0071%</b>
<b>Off-Site Diesel<sup>1</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	75	7,378		
Paving	0	0		
Architectural Coating	0	0		
<b>Total</b>	<b>75</b>	<b>7,378</b>	<b>532,570,627</b>	<b>0.0014%</b>
<b>Off-Site Gasoline<sup>2</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	218	24,692		
Paving	2	240		
Architectural Coating	3	287		
<b>Total</b>	<b>222</b>	<b>25,218</b>	<b>3,536,229,368</b>	<b>0.0007%</b>
Total Diesel Fuel		<b>45,136</b>	<b>532,570,627</b>	<b>0.0085%</b>
Total Gasoline Fuel		<b>25,218</b>	<b>3,536,229,368</b>	<b>0.0007%</b>
Total Construction Fuel	<b>680</b>	<b>70,354</b>		

Construction Phase <sup>3</sup>	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2026	0	0	0		0			0	
2027				12		1	11		1
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Construction Phase <sup>3</sup>	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2027	247	50	146						
2028	124	25	72	11	0	2	1	0	3
<b>Total</b>	<b>371</b>	<b>75</b>	<b>218</b>	<b>11</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>

Notes:

<sup>1</sup> Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

<sup>2</sup> Fuel used for worker trips assumed to be gasoline.

<sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Emission Details).

<sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Parcel 2 Operational Fuel

Vehicle Type	Percent <sup>1</sup>	Annual VMT <sup>2</sup>	MPG <sup>3</sup>	Annual Fuel (Gallons)	Fuel Type	Los Angeles Gallons <sup>4</sup>	Los Angeles Percent	
Passenger Cars	0.92	2,146,870	21.6	99,392	Gas	3,536,229,368	0.0028%	
Light/Medium Trucks	0.06	149,867	17.2	8,713	Diesel	532,570,627	0.0016%	0.0024%
Heavy Trucks/Other	0.01	24,838	6.1	4,072	Diesel	532,570,627	0.0008%	
<b>Total</b>	<b>1.00</b>	<b>Total VMT</b>		<b>12,785</b>	<b>Total Diesel</b>			
				<b>2,321,574</b>				

Fleet Mix -

Land Use	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
Apartments Mid Rise	55.12016416	3.946091235	17.2519803	2.615321055	13.54118884	3.11474707	0.902765803	1.340063009	0.064515701	0.065871299	0.30740709	0.660015922	1.069867518
Parking Lot	55.12016416	3.946091235	17.2519803	2.615321055	13.54118884	3.946091235	0.902765803	1.340063009	0.064515701	0.065871299	0.30740709	0.660015922	1.069867518

Notes:

- <sup>1</sup> Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).
- <sup>2</sup> Total annual operational VMT based on mitigated annual VMT from CalEEMod (4.2 Trip Summary Information).
- <sup>3</sup> Average fuel economy derived from Department of Transportation.
- <sup>4</sup> Total annual county fuel per EMFAC 2017 model of projected operational fuel usage.



Parcel 2 Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy <sup>3</sup>	Percentage Increase
Electricity (kWh/yr)	630,700	68,484,956,280	0.0009%
Electricity (MWh/yr)	631	68,484,956	0.0009%
Electricity (GWh/yr)	0.631	68,484.96	0.0009%
Adjusted Electricity (GWh/yr)	1.621	68,485	0.0024%
Natural Gas (million therms)		419	
Natural Gas (kBTU/yr)	1,688,240	288,099,489,100	0.0006%
Natural Gas (therms)	16,882	2,880,994,891.00	0.0006%

Land Use	Electricity <sup>1</sup> (kWh/yr)		Natural Gas <sup>2</sup> (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Apartment	557207	557207	1688240	1688240
Parking Lot	73493	73493	0	0
<b>Total Energy</b>	<b>630,700</b>	<b>630,700</b>	<b>1,688,240</b>	<b>1,688,240</b>

Notes:

<sup>1</sup> Electricity use per CalEEMod (5.11 Energy by Land Use).

<sup>2</sup> Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

<sup>3</sup> County total energy values from California Energy Commission energy reports available through [ecdms.energy.ca.gov](http://ecdms.energy.ca.gov).

Parcel 2 Construction Water

Daily Soil Disturbance <sup>1</sup>	8	acres
Days of Soil Disturbance <sup>2</sup>	13	days
Water Concentration <sup>3</sup>	3,020	gallons/acre
Water Energy Intensity <sup>4</sup>	4,934	kWh/MG
Total Construction Water	0.31	million gallons
Construction Water Energy	1,550	kWh
Percentage Increase Countywide	0.000002%	MWh

Notes:

- <sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.
- <sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).
- <sup>3</sup> Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.
- <sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.

Parcel 2 Operational Water

Mitigated Indoor	6	million gallons
Indoor Energy Intensity Factor <sup>1</sup>	6,476	kWh/MG
Mitigated Outdoor	1	million gallons
Outdoor Energy Intensity Factor <sup>2</sup>	4,934	kWh/MG
Operational Water Energy	40511.37102	kWh
Operational Water Energy	40.51137102	MWh
Operational Water Energy	0.040511371	GWh
Percentage Countywide	0.0001%	
Total water use	6	million gallons

Land Use <sup>3</sup>	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Apartment	6	1	6	1
Parking Lot	0	0	0	0
<b>Total Operational Water</b>	<b>6</b>	<b>1</b>	<b>6</b>	<b>1</b>

Notes:

<sup>1</sup> Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, distribution, and wastewater.

<sup>2</sup> Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, and distribution.

<sup>3</sup> Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Parcel 3 Construction Fuel

On-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	2022 County Fuel	Percent Increase Countywide
Demolition	0	0		
Site Preparation/Grading	23	2,249		
Building Construction	273	26,876		
Paving	11	1,090		
Architectural Coating	1	144		
<b>Total</b>	<b>308</b>	<b>30,358</b>	<b>532,570,627</b>	<b>0.0057%</b>
<b>Off-Site Diesel<sup>1</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	22	2,215		
Paving	0	0		
Architectural Coating	0	0		
<b>Total</b>	<b>22</b>	<b>2,215</b>	<b>532,570,627</b>	<b>0.0004%</b>
<b>Off-Site Gasoline<sup>2</sup></b>				
Demolition	0	0		
Site Preparation/Grading	1	143		
Building Construction	107	12,111		
Paving	2	244		
Architectural Coating	1	140		
<b>Total</b>	<b>111</b>	<b>12,639</b>	<b>3,536,229,368</b>	<b>0.0004%</b>
Total Diesel Fuel		<b>32,574</b>	<b>532,570,627</b>	<b>0.0061%</b>
Total Gasoline Fuel		<b>12,639</b>	<b>3,536,229,368</b>	<b>0.0004%</b>
Total Construction Fuel	<b>442</b>	<b>45,212</b>		

Construction Phase <sup>3</sup>	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2025	0	0	0	12	0	1	11	0	1
2026									
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>1</b>
Construction Phase <sup>3</sup>	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2025	82	7	62	0	0	0	0	0	0
2026	191	16	45	11	0	2	1	0	1
<b>Total</b>	<b>273</b>	<b>22</b>	<b>107</b>	<b>11</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>

Notes:

<sup>1</sup> Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

<sup>2</sup> Fuel used for worker trips assumed to be gasoline.

<sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Emission Details).

<sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Parcel 3 Operational Fuel

Vehicle Type	Percent <sup>1</sup>
Passenger Cars	0.92
Light/Medium Trucks	0.07
Heavy Trucks/Other	0.01
<b>Total</b>	<b>1.00</b>

Annual VMT <sup>2</sup>	MPG <sup>3</sup>	Annual Fuel (Gallons)	Fuel Type	Los Angeles Gallons <sup>4</sup>	Los Angeles Percent	
846,810	21.6	39,204	Gas	3,536,229,368	0.0011%	
60,774	17.2	3,533	Diesel	532,570,627	0.0007%	0.0009%
8,841	6.1	1,449	Diesel	532,570,627	0.0003%	
		4,983	<b>Total Diesel</b>			
<b>Total VMT</b>		<b>916,411</b>				

Fleet Mix -

Land Use	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
Condo/Townhouse High Rise	54.36159372	4.309781641	16.76811874	2.671136707	14.29440826	3.299264982	0.91751134	1.219850965	0.063892599	0.065169198	0.299220812	0.766805001	0.964784436
Parking Lot	54.36159372	4.309781641	16.76811874	2.671136707	14.29440826	3.299264982	0.91751134	1.219850965	0.063892599	0.065169198	0.299220812	0.766805001	0.964784436

Notes:

- <sup>1</sup> Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).
- <sup>2</sup> Total annual operational VMT based on mitigated annual VMT from CalEEMod (4.2 Trip Summary Information).
- <sup>3</sup> Average fuel economy derived from Department of Transportation.
- <sup>4</sup> Total annual county fuel per EMFAC 2017 model of projected operational fuel usage.

Parcel 3 Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy <sup>3</sup>	Percentage Increase
Electricity (kWh/yr)	232,657	68,484,956,280	0.0003%
Electricity (MWh/yr)	233	68,484,956	0.0003%
Electricity (GWh/yr)	0.233	68,484.96	0.0003%
Adjusted Electricity (GWh/yr)	0.598	68,485	0.0009%
Natural Gas (million therms)		419	
Natural Gas (kBTU/yr)	666,411	288,099,489,100	0.0002%
Natural Gas (therms)	6,664	2,880,994,891.00	0.0002%

Land Use	Electricity <sup>1</sup> (kWh/yr)		Natural Gas <sup>2</sup> (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Condo/Townhouse	219950	219950	666411	666411
Parking Lot	12707	12707	0	0
<b>Total Energy</b>	<b>232,657</b>	<b>232,657</b>	<b>666,411</b>	<b>666,411</b>

Notes:

<sup>1</sup> Electricity use per CalEEMod (5.11 Energy by Land Use).

<sup>2</sup> Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

<sup>3</sup> County total energy values from California Energy Commission energy reports available through [ecdms.energy.ca.gov](http://ecdms.energy.ca.gov).

Parcel 3 Construction Water

Daily Soil Disturbance <sup>1</sup>	8	acres
Days of Soil Disturbance <sup>2</sup>	13	days
Water Concentration <sup>3</sup>	3,020	gallons/acre
Water Energy Intensity <sup>4</sup>	4,934	kWh/MG
Total Construction Water	0.31	million gallons
Construction Water Energy	1,550	kWh
Percentage Increase Countywide	0.000002%	MWh

Notes:

<sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.

<sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

<sup>3</sup> Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

<sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.

Parcel 3 Operational Water

Mitigated Indoor	2	million gallons
Indoor Energy Intensity Factor <sup>1</sup>	6,476	kWh/MG
Mitigated Outdoor	1	million gallons
Outdoor Energy Intensity Factor <sup>2</sup>	4,934	kWh/MG
Operational Water Energy	17656.70093	kWh
Operational Water Energy	17.65670093	MWh
Operational Water Energy	0.017656701	GWh
Percentage Countywide	0.0000%	
Total water use	3	million gallons

Land Use <sup>3</sup>	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Townhome	2	1	2	1
Parking Lot	0	0	0	0
<b>Total Operational Water</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>

Notes:

<sup>1</sup> Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, distribution, and wastewater.

<sup>2</sup> Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, and distribution.

<sup>3</sup> Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).



Parcel 4 Construction Fuel

On-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	2022 County Fuel	Percent Increase Countywide
Demolition	0	0		
Site Preparation/Grading	7	684		
Building Construction	270	26,647		
Paving	6	558		
Architectural Coating	1	114		
<b>Total</b>	<b>284</b>	<b>28,003</b>	<b>532,570,627</b>	<b>0.0053%</b>
<b>Off-Site Diesel<sup>1</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	14	1,336		
Paving	0	0		
Architectural Coating	0	0		
<b>Total</b>	<b>14</b>	<b>1,336</b>	<b>532,570,627</b>	<b>0.0003%</b>
<b>Off-Site Gasoline<sup>2</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	37		
Building Construction	20	2,223		
Paving	1	100		
Architectural Coating	0	31		
<b>Total</b>	<b>21</b>	<b>2,392</b>	<b>3,536,229,368</b>	<b>0.0001%</b>
Total Diesel Fuel		<b>29,339</b>	<b>532,570,627</b>	<b>0.0055%</b>
Total Gasoline Fuel		<b>2,392</b>	<b>3,536,229,368</b>	<b>0.0001%</b>
Total Construction Fuel	<b>319</b>	<b>31,731</b>		

Construction Phase <sup>3</sup>	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2026	0	0	0	2	0	0	4	0	0
2027									
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
Construction Phase <sup>3</sup>	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2026	147	7	11						
2027	123	6	9	6	0	1	1	0	0
<b>Total</b>	<b>270</b>	<b>14</b>	<b>20</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

Notes:

<sup>1</sup> Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

<sup>2</sup> Fuel used for worker trips assumed to be gasoline.

<sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Emission Details).

<sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Parcel 4 Operational Fuel

Vehicle Type	Percent <sup>1</sup>	Annual VMT <sup>2</sup>	MPG <sup>3</sup>	Annual Fuel (Gallons)	Fuel Type	Los Angeles Gallons <sup>4</sup>	Los Angeles Percent
Passenger Cars	0.92	865,697	21.6	40,079	Gas	3,536,229,368	0.0011%
Light/Medium Trucks	0.07	61,523	17.2	3,577	Diesel	532,570,627	0.0007%
Heavy Trucks/Other	0.01	9,384	6.1	1,538	Diesel	532,570,627	0.0003%
				5,115	Total Diesel		0.0010%
<b>Total</b>	<b>1.00</b>	<b>936,604</b>					

Total VMT

Fleet Mix -

Land Use	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
Cottage	54.6577096	4.183836654	16.90866947	2.655925043	14.02324885	3.233046457	0.913878158	1.260617282	0.064210099	0.0644307	0.302007096	0.730520906	1.001899596
Parking Lot	54.6577096	4.183836654	16.90866947	2.655925043	14.02324885	3.233046457	0.913878158	1.260617282	0.064210099	0.0644307	0.302007096	0.730520906	1.001899596

Notes:

<sup>1</sup> Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).

Parcel 4 Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy <sup>3</sup>	Percentage Increase
Electricity (kWh/yr)	252,293	68,484,956,280	0.0004%
Electricity (MWh/yr)	252	68,484,956	0.0004%
Electricity (GWh/yr)	0.252	68,484.96	0.0004%
Adjusted Electricity (GWh/yr)	0.648	68,485	0.0009%
Natural Gas (million therms)		419	
Natural Gas (kBTU/yr)	1,303,402	288,099,489,100	0.0005%
Natural Gas (therms)	13,034	2,880,994,891.00	0.0005%

Land Use	Electricity <sup>1</sup> (kWh/yr)		Natural Gas <sup>2</sup> (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Cottage	234435	234435	1303402	1303402
Parking Lot	17858	17858	0	0
<b>Total Energy</b>	<b>252,293</b>	<b>252,293</b>	<b>1,303,402</b>	<b>1,303,402</b>

Notes:

<sup>1</sup> Electricity use per CalEEMod (5.11 Energy by Land Use).

<sup>2</sup> Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

<sup>3</sup> County total energy values from California Energy Commission energy reports available through [ecdms.energy.ca.gov](http://ecdms.energy.ca.gov).

Parcel 4 Construction Water

Daily Soil Disturbance <sup>1</sup>	4	acres
Days of Soil Disturbance <sup>2</sup>	6	days
Water Concentration <sup>3</sup>	3,020	gallons/acre
Water Energy Intensity <sup>4</sup>	4,934	kWh/MG
Total Construction Water	0.07	million gallons
Construction Water Energy	358	kWh
Percentage Increase Countywide	0.000001%	

Notes:

<sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.

<sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

<sup>3</sup> Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

<sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.

Parcel 4 Operational Water

Mitigated Indoor	1	million gallons
Indoor Energy Intensity Factor <sup>1</sup>	6,476	kWh/MG
Mitigated Outdoor	1	million gallons
Outdoor Energy Intensity Factor <sup>2</sup>	4,934	kWh/MG
Operational Water Energy	11109.25708	kWh
Operational Water Energy	11.10925708	MWh
Operational Water Energy	0.011109257	GWh
Percentage Countywide	0.0000%	
Total water use	2	million gallons

Land Use <sup>3</sup>	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Cottage	1	1	1	1
Parking Lot	0	0	0	0
<b>Total Operational Water</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Notes:

<sup>1</sup> Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, distribution, and wastewater.

<sup>2</sup> Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, and distribution.

<sup>3</sup> Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Parcel 5 Construction Fuel

On-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	2022 County Fuel	Percent Increase Countywide
Demolition	0	0		
Site Preparation/Grading	6	626		
Building Construction	287	28,267		
Paving	5	445		
Architectural Coating	2	150		
<b>Total</b>	<b>299</b>	<b>29,487</b>	<b>532,570,627</b>	<b>0.0055%</b>
<b>Off-Site Diesel<sup>1</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	0	0		
Paving	0	0		
Architectural Coating	0	0		
<b>Total</b>	<b>0</b>	<b>0</b>	<b>532,570,627</b>	<b>0.0000%</b>
<b>Off-Site Gasoline<sup>2</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	37		
Building Construction	0	0		
Paving	1	82		
Architectural Coating	0	0		
<b>Total</b>	<b>1</b>	<b>119</b>	<b>3,536,229,368</b>	<b>0.0000%</b>
Total Diesel Fuel		<b>29,487</b>	<b>532,570,627</b>	<b>0.0055%</b>
Total Gasoline Fuel		<b>119</b>	<b>3,536,229,368</b>	<b>0.0000%</b>
Total Construction Fuel	<b>300</b>	<b>29,606</b>		

Construction Phase <sup>3</sup>	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2027	0	0	0	2	0	0	4	0	0
2028									
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
Construction Phase <sup>3</sup>	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2027	191	0	0						
2028	96	0	0	5	0	1	2	0	0
<b>Total</b>	<b>287</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>

Notes:

<sup>1</sup> Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

<sup>2</sup> Fuel used for worker trips assumed to be gasoline.

<sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Emission Details).

<sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Parcel 5 Operational Fuel

Vehicle Type	Percent <sup>1</sup>	Annual VMT <sup>2</sup>	MPG <sup>3</sup>	Annual Fuel (Gallons)	Fuel Type	Los Angeles Gallons <sup>4</sup>	Los Angeles Percent
Passenger Cars	0.92	7,649	21.6	354	Gas	3,586,229,368	0.0000%
Light/Medium Trucks	0.06	930	17.2	31	Diesel	532,570,627	0.0000%
Heavy Trucks/Other	0.01	91	6.1	15	Diesel	532,570,627	0.0000%
Total	1.00	Total VMT		46	Total Diesel		0.0000%

Fleet Mix -

Land Use	LDA	LDT1	LDT2	MCV	MDV	LHD1	LHD2	MHD	OBLUS	UBLUS	SBLUS	MN	HND
Apartments Mid Rise	55.27855754	3.83715257	17.45501012	2.592415548	13.32985759	3.061626479	0.897179917	1.379172783	0.0647999	0.066529302	0.30946359	0.626360392	1.101874094
Parking Lot	55.27855754	3.83715257	17.45501012	2.592415548	13.32985759	3.061626479	0.897179917	1.379172783	0.0647999	0.066529302	0.30946359	0.626360392	1.101874094

Notes:

- <sup>1</sup> Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).
- <sup>2</sup> Total annual operational VMT based on mitigated annual VMT from CalEEMod (4.2 Trip Summary Information).
- <sup>3</sup> Average fuel economy derived from Department of Transportation.
- <sup>4</sup> Total annual county fuel per EMFAC 2017 model of projected operational fuel usage.

Parcel 5 Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy <sup>3</sup>	Percentage Increase
Electricity (kWh/yr)	-	68,484,956,280	0.0000%
Electricity (MWh/yr)	-	68,484,956	0.0000%
Electricity (GWh/yr)	-	68,484.96	0.0000%
Adjusted Electricity (GWh/yr)	-	68,485	0.0000%
Natural Gas (million therms)		419	
Natural Gas (kBTU/yr)	-	288,099,489,100	0.0000%
Natural Gas (therms)	-	2,880,994,891.00	0.0000%

Land Use	Electricity <sup>1</sup> (kWh/yr)		Natural Gas <sup>2</sup> (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
City Park	0	0	0	0
	0	0	0	0
<b>Total Energy</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Notes:

<sup>1</sup> Electricity use per CalEEMod (5.11 Energy by Land Use).

<sup>2</sup> Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

<sup>3</sup> County total energy values from California Energy Commission energy reports available through [ecdms.energy.ca.gov](http://ecdms.energy.ca.gov).



Parcel 5 Construction Water

Daily Soil Disturbance <sup>1</sup>	4	acres
Days of Soil Disturbance <sup>2</sup>	6	days
Water Concentration <sup>3</sup>	3,020	gallons/acre
Water Energy Intensity <sup>4</sup>	4,934	kWh/MG
Total Construction Water	0.07	million gallons
Construction Water Energy	358	kWh
Percentage Increase Countywide	0.000001%	

Notes:

<sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.

<sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

<sup>3</sup> Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

<sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.

Parcel 5 Operational Water

Mitigated Indoor	0	million gallons
Indoor Energy Intensity Factor <sup>1</sup>	6,476	kWh/MG
Mitigated Outdoor	2	million gallons
Outdoor Energy Intensity Factor <sup>2</sup>	4,934	kWh/MG
Operational Water Energy	11304.83507	kWh
Operational Water Energy	11.30483507	MWh
Operational Water Energy	0.011304835	GWh
Percentage Countywide	0.0000%	
Total water use	2	million gallons

Land Use <sup>3</sup>	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Park	0	2	0	2
<b>Total Operational Water</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>

Notes:

<sup>1</sup> Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, distribution, and wastewater.

<sup>2</sup> Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, and distribution.

<sup>3</sup> Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Combined Construction Fuel

On-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	2025 Fuel Consumption	Percent Increase Countywide		
Demolition	0	0			Parcel 1	31835
Site Preparation/Grading	6	626			Parcel 2	37758
Building Construction	287	28,267			Parcel 3	30358
Paving	5	445			Parcel 4	28003
Architectural Coating	2	150			Parcel 5	29487
<b>Total</b>	<b>299</b>	<b>157,441</b>	<b>532,570,627</b>	<b>0.030%</b>	<b>Total</b>	<b>157441</b>
<b>Off-Site Diesel<sup>1</sup></b>						
Demolition	0	0			Parcel 1	3708
Site Preparation/Grading	0	0			Parcel 2	7378
Building Construction	0	0			Parcel 3	2215
Paving	0	0			Parcel 4	1336
Architectural Coating	0	0			Parcel 5	0
<b>Total</b>	<b>0</b>	<b>14,637</b>	<b>532,570,627</b>	<b>0.003%</b>	<b>Total</b>	<b>14637</b>
<b>Off-Site Gasoline<sup>2</sup></b>						
Demolition	0	0			Parcel 1	12717
Site Preparation/Grading	0	37			Parcel 2	25218
Building Construction	0	0			Parcel 3	12639
Paving	1	82			Parcel 4	2392
Architectural Coating	0	0			Parcel 5	119
<b>Total</b>	<b>1</b>	<b>53,085</b>	<b>3,536,229,368</b>	<b>0.002%</b>	<b>Total</b>	<b>53085</b>
Total Diesel Fuel		172,078	532,570,627	0.032%		
Total Gasoline Fuel		53,085	3,536,229,368	0.002%		
Total Construction Fuel	300	225,163	4,068,799,995	0.006%		

Construction Phase <sup>3</sup>	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2027	0	0	0	2	0	0	4	0	0
2028									
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
Construction Phase <sup>3</sup>	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2027	191	0	0						
2028	96	0	0	5	0	1	2	0	0
<b>Total</b>	<b>287</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>

Notes:

- <sup>1</sup> Fuel used for off-road, hauling, and vendor trips assumed to be diesel.
- <sup>2</sup> Fuel used for worker trips assumed to be gasoline.
- <sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Emission Details).
- <sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Combined Operational Fuel

Annual Fuel	Fuel Type	County Gallons <sup>4</sup>	County Percent	Statewide	Statewide percent
233,943	Gas	3,536,229,368	0.0066%	15,355,377,116	0.0015%
29,965	Diesel	532,570,627	0.0056%	3,683,414,417	0.0008%

Notes:

<sup>1</sup> Percent of vehicle trip distribution based on fleet mix from CalEEMod.

<sup>2</sup> Total annual operational VMT based on mitigated annual VMT from CalEEMod (5.9.1 Trip Summary Information).

<sup>3</sup> Average fuel economy derived from Department of Transportation.

<sup>4</sup> Total annual county fuel per EMFAC 2021 (2025 operational year) model of projected operational fuel usage.

Note: Cells that are in this color need to be filled in with CalEEMod Data

Note: Cells that are in this color need to be filled in with County Specific Data

Note: Cells that are in this color are linked and do not need to be updated

Note: Cells that are in this color are inputs for energy tech study table

Parcel 1	1282975.304
Parcel 2	2321574.36
Parcel 3	916410
Parcel 4	936604
Parcel 5	8270
Total	5465833.664

	Gasoline	Diesel
Parcel 1	54,914	7,036
Parcel 2	99,392	12,785
Parcel 3	39,204	4,983
Parcel 4	40,079	5,115
Parcel 5	354	46
Total	233,943	29,965

Combined Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy <sup>3</sup>	Percentage Increase
Electricity (kWh/yr)	1,473,720	68,484,956,280	0.0022%
Electricity (MWh/yr)	1,474	68,484,956	0.0022%
Electricity (GWh/yr)	1.474	68,484.96	0.0022%
Adjusted Electricity (GWh/yr)	3.787	68,485	0.0055%
Natural Gas (million therms)		419	
Natural Gas (kBTU/yr)	4,591,027	288,099,489,100	0.0016%
Natural Gas (therms)	45,910	2,880,994,891.00	0.0016%

Land Use	Electricity <sup>1</sup> (kWh/yr)		Natural Gas <sup>2</sup> (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
City Park	1319522	1319522	4591027	4591027
	154198	154198	0	0
<b>Total Energy</b>	<b>1,473,720</b>	<b>1,473,720</b>	<b>4,591,027</b>	<b>4,591,027</b>

Notes:

<sup>1</sup> Electricity use per CalEEMod (5.11 Energy by Land Use).

<sup>2</sup> Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

<sup>3</sup> County total energy values from California Energy Commission energy reports available through [ecdms.energy.ca.gov](http://ecdms.energy.ca.gov).

Combined Construction Water

Daily Soil Disturbance <sup>1</sup>	30	acres
Days of Soil Disturbance <sup>2</sup>	47	days
Water Concentration <sup>3</sup>	3,020	gallons/acre
Water Energy Intensity <sup>4</sup>	4,934	kWh/MG
Total Construction Water	4.26	million gallons
Construction Water Energy	21,010	kWh
	21.0100	MWh
Percentage Increase Countywide	0.000031%	

Notes:

- <sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.
- <sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).
- <sup>3</sup> Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.
- <sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.

Combined Operational Water

Mitigated Indoor	12	million gallons
Indoor Energy Intensity Factor <sup>1</sup>	6,476	kWh/MG
Mitigated Outdoor	5	million gallons
Outdoor Energy Intensity Factor <sup>2</sup>	4,934	kWh/MG
Operational Water Energy	103875.5156	kWh
Operational Water Energy	103.8755156	MWh
Operational Water Energy	0.103875516	GWh
Percentage Countywide	0.0002%	
Total water use	17	million gallons

Land Use <sup>3</sup>	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Apartment	12	5	12	5
Parking Lot	0	0	0	0
<b>Total Operational Water</b>	<b>12</b>	<b>5</b>	<b>12</b>	<b>5</b>

Notes:

<sup>1</sup> Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, distribution, and wastewater.

<sup>2</sup> Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, and distribution.

<sup>3</sup> Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).