

Energy Resources Calculations

The Bloc

Draft EIR Appendix D Energy Analysis Spreadsheets

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The Bloc
Summary of Energy Use During Construction

| Electricty | |
|-----------------------------------|------------------------|
| Water Consumption | 4,224 kWh |
| Temporary Power (lighting, tools) | 27,317 kWh |
| Electric Equipment | 19,102 kWh |
| Total: | 50,643 kWh |
| Gasoline | |
| On Road | 77,658 Gallons |
| Off Road | 0 Gallons |
| Total: | 77,658 Gallons |
| Diesel | |
| On Road | 563,063 Gallons |
| Off Road | 104,435 Gallons |
| Total: | 667,498 Gallons |
| Total Mobile | 745,156 |

Summary of Energy Use During Operations

| | | Baseline Floor Area to be Removed (Buildout Year) | Proposed New Floor Area Buildout With Project Features | Project (Buildout - Baseline (Buildout) | MXD and City Requirements Reduction | Units |
|------------------------|--------------------------|--|---|---|---|--------------|
| Electricity | | | | | | |
| Electricity (building) | | 242,462 | 3,572,753 | 3,330,291 | | kWh/year |
| Electricity (signs) | | 0 | 1,064,726 | 1,064,726 | | kWh/year |
| Electricity (water) | | 20,032 | 156,209 | 136,177 | | kWh/year |
| EV Charging | | 0 | 40,261 | 40,261 | | kWh/year |
| | Electricity Total | 262,494 | 4,833,949 | 4,571,455 | | kWh/year |
| Natural Gas | | 114,203 | 0 | -114,203 | | cu ft/year |
| Mobile | | | | | | |
| Gasoline | | 56,533 | 97,252 | 40,719 | (105,545) | Gallons/year |
| Diesel | | 10,056 | 17,299 | 7,243 | (18,775) | Gallons/year |
| | Mobile Total | 66,590 | 114,552 | 47,962 | (124,320) | Gallons/year |

Construction Electricity Usage

Construction Electricity Usage

Caterpillar 40-C4.4 Generator^a

| <u>·</u> | |
|---|--------|
| 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) | 316 |
| Total Construction (kWh) | 15,926 |
| Total Construction (MWh) | 15.9 |

^ahttps://www.albancat.com/content/uploads/2014/06/40-C4.4-Spec-Sheet.pdf

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 | |
|---|---------------------------|-------|-------|-----|-------------|-------------------|---------------------------|-------------------|----------------------|
| Existing Buildings-Selective Demolition | Tractors/Loaders/Backhoes | 3 | 8 | 84 | 0.37 | 0.6 | 204 | 4,565 | - |
| Existing Buildings-Selective Demolition | Cranes | 1 | 8 | 367 | 0.29 | 0.6 | 204 | 5,211 | |
| Existing Buildings-Selective Demolition | Crawler Tractors | 1 | 8 | 87 | 0.43 | 0.6 | 204 | 1,832 | |
| Existing Buildings-Selective Demolition | Generator Sets | 1 | 8 | 14 | 0.74 | 0.6 | 204 | 507 | |
| Existing Buildings-Selective Demolition | Rubber Tired Loaders | 3 | 8 | 150 | 0.36 | 0.6 | 204 | 7,932 | |
| New Tower-Structural Demolition | Cranes | 1 | 8 | 367 | 0.29 | 0.6 | 78.0 | 1,992 | |
| New Tower-Structural Demolition | Crawler Tractors | 1 | 8 | 87 | 0.43 | 0.6 | 78.0 | 700 | |
| New Tower-Structural Demolition | Generator Sets | 1 | 8 | 14 | 0.74 | 0.6 | 78.0 | 194 | |
| New Tower-Structural Demolition | Rubber Tired Loaders | 3 | 8 | 150 | 0.36 | 0.6 | 78.0 | 3,033 | |
| New Tower-Structural Demolition | Sweepers/Scrubbers | 1 | 8 | 36 | 0.46 | 0.6 | 78.0 | 310 | |
| New Tower-Structural Demolition | Tractors/Loaders/Backhoes | 3 | 8 | 84 | 0.37 | 0.6 | 78.0 | 1,745 | |
| Utility Relocation | Rollers | 1 | 8 | 36 | 0.38 | 0.6 | 28.0 | 92 | |
| Utility Relocation | Rough Terrain Forklifts | 1 | 8 | 96 | 0.4 | 0.6 | 28.0 | 258 | |
| Utility Relocation | Sweepers/Scrubbers | 1 | 8 | 36 | 0.46 | 0.6 | 28.0 | 111 | |
| Utility Relocation | Tractors/Loaders/Backhoes | 1 | 8 | 84 | 0.37 | 0.6 | 28.0 | 209 | |
| New Tower-Grading and Prep for Foundation | Bore/Drill Rigs | 2 | 8 | 83 | 0.5 | 0.6 | 91.0 | 1,813 | |
| New Tower-Grading and Prep for Foundation | Cranes | 1 | 8 | 367 | 0.29 | 0.6 | 91.0 | 2,324 | |
| New Tower-Grading and Prep for Foundation | Crawler Tractors | 2 | 8 | 87 | 0.43 | 0.6 | 91.0 | 1,634 | |
| New Tower-Grading and Prep for Foundation | Generator Sets | 1 | 8 | 14 | 0.74 | 0.6 | 91.0 | 226 | |
| New Tower-Grading and Prep for Foundation | Rubber Tired Loaders | 2 | 8 | 150 | 0.36 | 0.6 | 91.0 | 2,359 | |
| New Tower-Grading and Prep for Foundation | Sweepers/Scrubbers | 1 | 8 | 36 | 0.46 | 0.6 | 91.0 | 362 | |
| New Tower-Grading and Prep for Foundation | Tractors/Loaders/Backhoes | 1 | 8 | 84 | 0.37 | 0.6 | 91.0 | 679 | |
| Existing Buildings-Structural Upgrades | Cranes | 1 | 8 | 367 | 0.29 | 0.6 | 296 | 7,561 | |
| Existing Buildings-Structural Upgrades | Generator Sets | 2 | 8 | 14 | 0.74 | 0.6 | 296 | 1,472 | |
| Existing Buildings-Structural Upgrades | Pumps | 2 | 8 | 11 | 0.74 | 0.6 | 296 | 1,157 | |
| Existing Buildings-Structural Upgrades | Rough Terrain Forklifts | 2 | 8 | 96 | 0.4 | 0.6 | 296 | 5,456 | |
| Existing Buildings-Structural Upgrades | Tractors/Loaders/Backhoes | 3 | 8 | 84 | 0.37 | 0.6 | 296 | 6,624 | |
| New Tower-Foundation | Pumps | 4 | 8 | 11 | 0.74 | 0.6 | 7.00 | 55 | |
| New Tower-Foundation | Rough Terrain Forklifts | 2 | 8 | 96 | 0.4 | 0.6 | 7.00 | 129 | |
| Existing Buildings-Interior Buildout | Bore/Drill Rigs | 1 | 8 | 83 | 0.5 | 0.6 | 542 | 5,398 | |
| Existing Buildings-Interior Buildout | Cranes | 1 | 8 | 367 | 0.29 | 0.6 | 542 | 13,844 | |
| Existing Buildings-Interior Buildout | Generator Sets | 2 | 8 | 14 | 0.74 | 0.6 | 542 | 2,695 | |
| Existing Buildings-Interior Buildout | Pumps | 2 | 8 | 11 | 0.74 | 0.6 | 542 | 2,118 | |
| Existing Buildings-Interior Buildout | Rough Terrain Forklifts | 3 | 8 | 96 | 0.4 | 0.6 | 542 | 14,985 | |
| Existing Buildings-Interior Buildout | Tractors/Loaders/Backhoes | 1 | 8 | 84 | 0.37 | 0.6 | 542 | 4,043 | |
| | | | | | | Total Diesel Usag | ge for Construction (Offi | 104,434.9 | gallons of diesel fu |

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.

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EMFAC2021 Emissions Inventory

Region Type: County Region: Los Angeles

Calendar Year: 2027

Season: Annual

Vehicle Classification: EMFAC2011 Categories

| Region | Veh_Class | Fuel | Speed | Population | VMT | Trips | Fuel_Gas | Fuel_DSL | Miles per Gallon |
|-------------|-----------|----------|------------|------------|-------------|--------------|--------------------|----------------------|------------------|
| | | | (miles/hr) | (vehicles) | (miles/day) | (trips/day) | (1000 gallons/day) | (1000 gallons/day) | |
| South Coast | LDA | Gasoline | Aggregate | 3,252,973 | 127,411,269 | 15,084,514 | 4,209 | 0 | 30.3 |
| South Coast | LDT1 | Gasoline | Aggregate | 305,004 | 11,091,280 | 1,345,171 | 439 | 0 | 25.3 |
| South Coast | LDT2 | Gasoline | Aggregate | 1,690,655 | 69,171,014 | 7,955,024 | 2,794 | 0 | 24.8 |
| | | | | | | Construction | Worker Trip (Compo | site LDA/LDT1/LDT2): | 27.6 |
| South Coast | HHDT | Diesel | Aggregate | 57,907 | 7,176,720 | 908,210 | 0 | 1137.1 | 6.3 |

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 Leng | th (miles) | | Total | Length (m | iles) | Avg. Daily Factor | Gallons | of Fuel |
|---|--------------------|--------------------|------------------|------|--------------------|--------------------|------------------|-----------|------------|------|---------|-----------|--------|---------------------|----------|-----------|
| | | | | | | | | Worker | Vendor | Haul | Worker | Vendor | Haul | (worker and vendor) | Gasoline | Diesel |
| Existing Buildings-Selective Demolition | 120 | 0 | 64 2 | 204 | 24480 | 0 | 13056 | 18.5 | 10.5 | 27 | 452880 | 0 | 352512 | 0.6 | 9,831.7 | 55,854.6 |
| New Tower-Structural Demolition | 200 | 0 | 64 7 | 78.0 | 15600 | 0 | 4992 | 18.5 | 10.5 | 27 | 288600 | 0 | 134784 | 0.6 | 6,265.3 | 21,356.2 |
| Utility Relocation | 60 | 0 | 10 2 | 28.0 | 1680 | 0 | 280 | 18.5 | 10.5 | 27 | 31080 | 0 | 7560 | 0.6 | 674.7 | 1,197.9 |
| New Tower-Grading and Prep for Founda | 1 80 | 0 | 150 9 | 91.0 | 7280 | 0 | 13650 | 18.5 | 10.5 | 27 | 134680 | 0 | 368550 | 0.6 | 2,923.8 | 58,395.7 |
| Existing Buildings-Structural Upgrades | 250 | 160 | 0 2 | 296 | 74000 | 47360 | 0 | 18.5 | 10.5 | 20 | 1369000 | 497280 | 0 | 0.6 | 29,720.0 | 47,275.6 |
| New Tower-Skin | 80 | 20 | 0 3 | 330 | 26400 | 6600 | 0 | 18.5 | 10.5 | 20 | 488400 | 69300 | 0 | 0.6 | 10,602.8 | 6,588.2 |
| New Tower-Grading and Prep for Founda | 1 80 | 0 | 150 7 | 7.00 | 560 | 0 | 1050 | 18.5 | 10.5 | 27 | 10360 | 0 | 28350 | 0.6 | 224.9 | 4,492.0 |
| New Tower-Foundation | 80 | 680 | 0 8 | 542 | 43360 | 368560 | 0 | 18.5 | 10.5 | 20 | 802160 | 3869880 | 0 | 0.6 | 17,414.3 | 367,903.2 |
| Closeout | 15 | 5 14 | 0 6 | 6.0 | 990 | 924 | 0 | 18.5 | 10.5 | 20 | 18315 | 9702 | 0 | 0.6 | 397.6 | 922.4 |
| Architectural Coating | 0 | 0 | 0 ' | 158 | 0 | 0 | 0 | 18.5 | 10.5 | 20 | 0 | 0 | 0 | 0.6 | 0.0 | 0.0 |
| | | - | - | | | - | - | - | | | | | | Total: | 77,657.6 | 563,063.3 |

Worker Miles per gallon= 27.64 gasoline
Vedor/Haul miles per gallon= 6.31 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) |
|---|------|---------------------------------|-------------------------|--------------------|
| Utility Relocation | 16 | 0.5 | 24,160 | 235 |
| Existing Buildings-Selective Demolition | 214 | 0.5 | 323,140 | 3,143 |
| New Tower-Structural Demolition | 35 | 0.1 | 10,570 | 103 |
| Existing Buildings-Structural Upgrades | 316 | 0 | 0 | 0 |
| New Tower-Skin | 321 | 0 | 0 | 0 |
| New Tower-Grading and Prep for Found | 30 | 0.5 | 45,300 | 441 |
| New Tower-Foundation | 2 | 0.1 | 604 | 6 |
| Existing Buildings-Interior Buildout | 333 | 0 | 0 | 0 |
| Architectural Coating | 107 | 0 | 0 | 0 |
| Closeout | 69 | 0 | 0 | 0 |
| | | Tot | al: 357,870 | 3,481 |

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).

The Bloc - Existing Operations on Site Buildout Year Los Angeles-South Coast County, Annual

Land Use Details

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------|------|----------|-------------|--------------------|------------|
| Regional Shopping Center | 270 | 1000sqft | | 269,622 | 0 |
| General Office Building | 656 | 1000sqft | | 656,423 | |
| Hotel | 496 | Room | | 412,639 | |
| Health Club | 30.4 | 1000sqft | | 30,363 | |
| Quality Restaurant | 23.2 | 1000sqft | | 23,180 | |
| Movie Theater | 569 | Seat | | 28,770 | |

Energy by Land Use - Natural Gas

| | Total | 28,791,059 | 27,420,056 |
|--------------------------|-------|------------|------------|
| Movie Theater | | 1,015,631 | 967,268 |
| Quality Restaurant | | 2,195,833 | 2,091,270 |
| Health Club | | 1,072,922 | 1,021,830 |
| Hotel | | 9,990,258 | 9,514,531 |
| General Office Building | | 13,188,758 | 12,560,722 |
| Regional Shopping Center | | 1,327,657 | 1,264,435 |
| Land Uses | | kBTU/yr | cu ft/year |

Energy by Land Use - Electricity

| Land Uses | | kWH/yr |
|--------------------------|-------|------------|
| Regional Shopping Center | | 2,684,501 |
| General Office Building | | 10,455,998 |
| Hotel | | 4,820,818 |
| Health Club | | 294,103 |
| Quality Restaurant | | 754,975 |
| Movie Theater | | 278,673 |
| | Total | 19,289,068 |

Water Detail

| | | | | Electricity |
|--------------------------|-----|------------|------------|-------------|
| | | Indoor Use | Outdoor | Use |
| Land Uses | | (Mgal) | Use (Mgal) | (kWh/yr) |
| Regional Shopping Center | | 19.972 | 0.000 | 221,904 |
| General Office Building | | 116.669 | 0.000 | 0 |
| Hotel | | 12.572 | 0.000 | 139,687 |
| Health Club | | 1.796 | 0.000 | 19,953 |
| Quality Restaurant | | 7.036 | 0.000 | 78,176 |
| Movie Theater | | 5.142 | 0.000 | 57,127 |
| To | tal | 151.008 | 0.000 | 381,544 |

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 Bloc - Existing Floor Area Removed Operations Buildout Year Los Angeles-South Coast County, Annual

Land Use Details

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------|-------|----------|-------------|--------------------|------------|
| Regional Shopping Center | 24.34 | 1000sqft | 0.056 | 24,342 | 0 |

Trip Summary Information

| Land Uses | | Avera | ige Daily Trip F | Annual VMT | |
|-----------|-------|---------|------------------|------------|-----------|
| | | Weekday | Saturday | Sunday | |
| | Total | 587.00 | 587.00 | 587.00 | 1,604,905 |

Gasoline and Diesel Usage

Buildout Year

| | Gasoline | Diesel |
|------------------|----------|--------|
| Miles/Gallon | 26.7 | 9.2 |
| % Fleet Mix | 94.2% | 5.8% |
| Total (Gallons): | 56,533 | 10,056 |

Existing (Baseline) Year

| Gasoline | | Diesel | |
|----------|--------|--------|--|
| | 23.5 | 8.2 | |
| | 95.0% | 5.0% | |
| | 65,039 | 9,688 | |

Energy by Land Use - Natural Gas

| Land Uses | | kBTU/yr | cu ft/year |
|--------------------------|-------|---------|------------|
| Regional Shopping Center | | 119,913 | 114,203 |
| | Total | 119,913 | 114,203 |

Energy by Land Use - Electricity

| Land Uses | | kWH/yr |
|--------------------------|-------|---------|
| Regional Shopping Center | | 242,462 |
| | Total | 242,462 |

Water Detail

| | | | Electricity |
|--------------------------|------------|------------|-------------|
| | Indoor Use | Outdoor | Use |
| Land Uses | (Mgal) | Use (Mgal) | (kWh/yr) |
| Regional Shopping Center | 1.803 | 0.000 | 20,032 |
| Tot | al 1.803 | 0.000 | 20,032 |

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 Bloc - Proposed New Floor Area Buildout Operations Without Project Features Los Angeles-South Coast County, Annual

Land Use Details

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------------|------|----------------------|-------------|--------------------|------------|
| Enclosed Parking with Elevator | 441 | Space | 3.97 | 176,400 | 0 |
| Apartments High Rise | 466 | Dwelling Unit | 7.52 | 495,625 | 1050 |

Trip Summary Information

| Land Uses | | | Annual VMT | | |
|-----------|---------|-------|------------|--------|-----------|
| | Weekday | | Saturday | Sunday | |
| | Total | 2,797 | 2,797 | 2,797 | 5,757,145 |

Gasoline and Diesel Usage

| | Gasoline | Diesel |
|------------------|----------|--------|
| Miles/Gallon | 26.7 | 9.2 |
| % Fleet Mix | 94.2% | 5.8% |
| Total (Gallons): | 202,798 | 36,074 |

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

| Land Uses | | kBTU/yr | cu ft/year |
|--------------------------------|-------|---------|------------|
| Apartment High Rise | | 0 | 0 |
| Enclosed Parking with Elevator | | 0 | 0 |
| User Defined Commercial | | 0 | 0 |
| | Total | 0 | 0 |

Energy by Land Use - Electricity

| Land Uses | | kWH/yr |
|--------------------------------|-------|-----------|
| Apartment High Rise | | 2,921,584 |
| Enclosed Parking with Elevator | | 651,169 |
| User Defined Commercial | | 0 |
| | Total | 3.572.753 |

Water Detail (Unmitigated)

| | | Indoor Use | Outdoor Use | Electricity Use |
|--------------------------------|-------|------------|-------------|-----------------|
| Land Uses | | (Mgal) | (Mgal) | (kWh/yr) |
| Apartment High Rise | | 13.896 | 0.186 | 156,209 |
| Enclosed Parking with Elevator | | 0.000 | 0.000 | 0 |
| User Defined Commercial | | 0.000 | 0.000 | 0 |
| | Total | 13.90 | 0.19 | 156,209 |

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 Bloc - Proposed New Floor Area Buildout Operations Los Angeles-South Coast County, Annual

Land Use Details

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------------|------|----------------------|-------------|--------------------|------------|
| Enclosed Parking with Elevator | 441 | Space | 3.97 | 176400 | 0 |
| Apartments High Rise | 466 | Dwelling Unit | 7.52 | 495,625 | 1050 |

Trip Summary Information

| Land Uses | , | Average Daily Tr | Mitigated | |
|-----------|-----------|------------------|-----------|-----------|
| | Weekday | Saturday | Sunday | |
| То | tal 1,213 | 1,213 | 1,213 | 2,760,860 |

Mitigated Gasoline and Diesel Usage

| | Gasoline | Diesel |
|------------------|----------|--------|
| Miles/Gallon | 26.7 | 9.2 |
| % Fleet Mix | 94.2% | 5.8% |
| Total (Gallons): | 97,252 | 17,299 |

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)

| Land Uses | | kBTU/yr | cu ft/year |
|--------------------------------|-------|---------|------------|
| Apartment High Rise | | 0 | 0 |
| Enclosed Parking with Elevator | | 0 | 0 |
| | Total | 0 | 0 |

Energy by Land Use - Electricity (Mitigated)

| | Total | 3,572,753 |
|--------------------------------|-------|-----------|
| User Defined Commercial | | 0 |
| Enclosed Parking with Elevator | | 651,169 |
| Apartment High Rise | | 2,921,584 |
| Land Uses | | kWH/yr |
| | | |

Note: Reduction in electricity usage reflects 2019 Title 24 energy efficiency standards which assumes exceeding 2016 Title 24 requirements by 10 percent for energy efficiency and 25% for lighting.

Water Detail (Unmitigated)

| | Indoor Use | Outdoor Use | Electricity Use |
|--------------------------------|------------|-------------|-----------------|
| Land Uses | (Mgal) | (Mgal) | (kWh/yr) |
| Apartment High Rise | 13.896 | 0.186 | 156,209 |
| Enclosed Parking with Elevator | 0.000 | 0.000 | 0 |
| User Defined Commercial | 0.000 | 0.000 | 0 |
| Tot | al 13.90 | 0.19 | 156,209 |

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

EMFAC2021 Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2031
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Region Cally Season Veh Class

| Region | CalYr | Season | Veh_Class | Fuel | MdYr | Speed | Population | VMT | Trips | Fuel_Gas | Fuel_DSL | | | |
|-------------|-------|--------|-----------|----------------|------------|------------|-------------|----------------|-------------|--------------------|--------------------|-----|------------|---------|
| | | | | | | (miles/hr) | (vehicles) | (miles/day) | (trips/day) | (1000 gallons/day) | (1000 gallons/day) | | | |
| Los Angeles | 2031 | Annual | HHDT | Diesel | Aggregated | Aggregated | 60,492 | 7,568,574 | 957,132 | 0.00 | 1,127.36 | _ | | |
| Los Angeles | 2031 | Annual | HHDT | Gasoline | Aggregated | Aggregated | 18 | 1,999 | 365 | 0.42 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LDA | Diesel | Aggregated | Aggregated | 4,172 | 132,366 | 18,007 | 0.00 | 2.98 | | | |
| Los Angeles | 2031 | Annual | LDA | Gasoline | Aggregated | Aggregated | 3,101,657 | 120,169,284 | 14,375,990 | 3,763.78 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LDT1 | Diesel | Aggregated | Aggregated | 3 | 108 | 13 | 0.00 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LDT1 | Gasoline | Aggregated | Aggregated | 290,379 | 10,521,713 | 1,286,891 | 394.00 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LDT2 | Diesel | Aggregated | Aggregated | 6,403 | 261,646 | 30,431 | 0.00 | 7.74 | | | |
| Los Angeles | 2031 | Annual | LDT2 | Gasoline | Aggregated | Aggregated | 1,805,846 | 72,175,917 | 8,462,212 | 2,770.51 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LHDT1 | Diesel | Aggregated | Aggregated | 72,760 | 2,979,889 | 915,234 | 0.00 | 141.75 | | | |
| Los Angeles | 2031 | Annual | LHDT1 | Gasoline | Aggregated | Aggregated | 122,157 | 4,747,277 | 1,819,955 | 312.49 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LHDT2 | Diesel | Aggregated | Aggregated | 34,241 | 1,357,725 | 430,709 | 0.00 | 75.77 | | | |
| Los Angeles | 2031 | Annual | LHDT2 | Gasoline | Aggregated | Aggregated | 18,041 | 655,180 | 268,784 | 49.57 | 0.00 | | | |
| Los Angeles | 2031 | Annual | MCY | Gasoline | Aggregated | Aggregated | 172,241 | 1,083,800 | 344,483 | 25.89 | 0.00 | | | |
| Los Angeles | 2031 | Annual | MDV | Diesel | Aggregated | Aggregated | 11,895 | 444,452 | 55,436 | 0.00 | 17.40 | | | |
| Los Angeles | 2031 | Annual | MDV | Gasoline | Aggregated | Aggregated | 1,039,871 | 39,085,024 | 4,833,358 | 1,832.57 | 0.00 | | | |
| Los Angeles | 2031 | Annual | MH | Diesel | Aggregated | Aggregated | 6,652 | 69,236 | 665 | 0.00 | 6.96 | | | |
| Los Angeles | 2031 | Annual | MH | Gasoline | Aggregated | Aggregated | 13,647 | 145,414 | 1,365 | 30.02 | 0.00 | | | |
| Los Angeles | 2031 | Annual | MHDT | Diesel | Aggregated | Aggregated | 63,856 | 2,523,858 | 787,884 | 0.00 | 273.77 | | | |
| Los Angeles | 2031 | Annual | MHDT | Gasoline | Aggregated | Aggregated | 12,213 | 646,412 | 244,367 | 117.10 | 0.00 | | | |
| Los Angeles | 2031 | Annual | OBUS | Diesel | Aggregated | Aggregated | 2,395 | 172,385 | 31,971 | 0.00 | 23.43 | | | |
| Los Angeles | 2031 | Annual | OBUS | Gasoline | Aggregated | Aggregated | 2,948 | 100,393 | 58,993 | 18.74 | 0.00 | | | |
| Los Angeles | 2031 | Annual | SBUS | Diesel | Aggregated | Aggregated | 1,429 | 29,361 | 20,692 | 0.00 | 3.86 | | | |
| Los Angeles | 2031 | Annual | SBUS | Gasoline | Aggregated | Aggregated | 1,581 | 71,374 | 6,325 | 7.73 | 0.00 | | | |
| Los Angeles | 2031 | Annual | UBUS | Diesel | Aggregated | Aggregated | 0 | 23 | 1 | 0.00 | 0.00 | | | |
| Los Angeles | 2031 | Annual | UBUS | Gasoline | Aggregated | Aggregated | 386 | 29,013 | 1,545 | 6.14 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LDA | Plug-in Hybrid | Aggregated | Aggregated | 123,971 | 2,313,429 | 512,619 | 84.47 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LDT1 | Plug-in Hybrid | Aggregated | Aggregated | 2,409 | 46,110 | 9,961 | 1.69 | 0.00 | | | |
| Los Angeles | 2031 | Annual | LDT2 | Plug-in Hybrid | Aggregated | Aggregated | 32,319 | 600,989 | 133,640 | 22.15 | 0.00 | | | |
| Los Angeles | 2031 | Annual | MDV | Plug-in Hybrid | Aggregated | Aggregated | 19,777 | 345,485 | 81,779 | 12.93 | 0.00 | | | |
| | | | | | | | | | | | | MPG | Gallons Pe | er Mile |
| | | | | | | | Totals | 268,278,435.58 | ; | 9,450.22 | 1,681.02 | 24. | 1 | 0.0 |
| | | | | | | | Total (GAS) | 252,738,813.52 | 0.94 | | | 26. | 7 | 0.0 |
| | | | | | | | Total (DSL) | 15,539,622.06 | 0.06 | | | 9. | 2 | 0.1 |

Baseline Year
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories

| Region | CalYr | Season | Veh_Class | Fuel | MdYr | Speed | Population | VMT | Trips | Fuel_Gas | Fuel_DSL | | | |
|-------------|-------|--------|-----------|----------------|------------|------------|-------------|----------------|-------------|--------------------|--------------------|-----|------------|--------|
| | | | | | | (miles/hr) | (vehicles) | (miles/day) | (trips/day) | (1000 gallons/day) | (1000 gallons/day) | | | |
| Los Angeles | 2022 | Annual | HHDT | Diesel | Aggregated | Aggregated | 50,253 | 6,584,300 | 777,260 | 0.00 | 1,119.64 | = | | |
| Los Angeles | 2022 | Annual | HHDT | Gasoline | Aggregated | Aggregated | 63 | 3,549 | 1,266 | 0.92 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LDA | Diesel | Aggregated | Aggregated | 10,357 | 316,148 | 43,007 | 0.00 | 8.02 | | | |
| Los Angeles | 2022 | Annual | LDA | Gasoline | Aggregated | Aggregated | 3,492,277 | 138,838,027 | 16,264,993 | 4,986.05 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LDT1 | Diesel | Aggregated | Aggregated | 150 | 3,072 | 443 | 0.00 | 0.13 | | | |
| Los Angeles | 2022 | Annual | LDT1 | Gasoline | Aggregated | Aggregated | 328,949 | 11,907,335 | 1,447,068 | 510.94 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LDT2 | Diesel | Aggregated | Aggregated | 4,420 | 193,960 | 21,414 | 0.00 | 6.48 | | | |
| Los Angeles | 2022 | Annual | LDT2 | Gasoline | Aggregated | Aggregated | 1,526,624 | 62,593,839 | 7,170,946 | 2,797.09 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LHDT1 | Diesel | Aggregated | Aggregated | 51,192 | 2,199,516 | 643,937 | 0.00 | 109.63 | | | |
| Los Angeles | 2022 | Annual | LHDT1 | Gasoline | Aggregated | Aggregated | 125,867 | 4,864,859 | 1,875,224 | 382.22 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LHDT2 | Diesel | Aggregated | Aggregated | 22,589 | 963,687 | 284,146 | 0.00 | 57.39 | | | |
| Los Angeles | 2022 | Annual | LHDT2 | Gasoline | Aggregated | Aggregated | 19,347 | 711,929 | 288,236 | 63.52 | 0.00 | | | |
| Los Angeles | 2022 | Annual | MCY | Gasoline | Aggregated | Aggregated | 143,563 | 930,986 | 287,127 | 22.88 | 0.00 | | | |
| Los Angeles | 2022 | Annual | MDV | Diesel | Aggregated | Aggregated | 10,661 | 424,706 | 50,627 | 0.00 | 18.79 | | | |
| Los Angeles | 2022 | Annual | MDV | Gasoline | Aggregated | Aggregated | 939,734 | 35,466,374 | 4,339,505 | 1,941.72 | 0.00 | | | |
| Los Angeles | 2022 | Annual | MH | Diesel | Aggregated | Aggregated | 5,298 | 54,199 | 530 | 0.00 | 5.43 | | | |
| Los Angeles | 2022 | Annual | MH | Gasoline | Aggregated | Aggregated | 17,156 | 161,515 | 1,716 | 33.39 | 0.00 | | | |
| Los Angeles | 2022 | Annual | MHDT | Diesel | Aggregated | Aggregated | 59,448 | 2,536,529 | 726,578 | 0.00 | 287.05 | | | |
| Los Angeles | 2022 | Annual | MHDT | Gasoline | Aggregated | Aggregated | 15,640 | 846,617 | 312,928 | 168.17 | 0.00 | | | |
| Los Angeles | 2022 | Annual | OBUS | Diesel | Aggregated | Aggregated | 2,067 | 166,997 | 26,799 | 0.00 | 24.34 | | | |
| Los Angeles | 2022 | Annual | OBUS | Gasoline | Aggregated | Aggregated | 3,974 | 164,696 | 79,520 | 33.29 | 0.00 | | | |
| Los Angeles | 2022 | Annual | SBUS | Diesel | Aggregated | Aggregated | 2,050 | 42,578 | 29,680 | 0.00 | 5.81 | | | |
| Los Angeles | 2022 | Annual | SBUS | Gasoline | Aggregated | Aggregated | 1,346 | 61,993 | 5,383 | 6.97 | 0.00 | | | |
| Los Angeles | 2022 | Annual | UBUS | Diesel | Aggregated | Aggregated | 46 | 7,306 | 185 | 0.00 | 1.19 | | | |
| Los Angeles | 2022 | Annual | UBUS | Gasoline | Aggregated | Aggregated | 438 | 31,090 | 1,751 | 6.79 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LDA | Plug-in Hybrid | Aggregated | Aggregated | 78,552 | 1,923,360 | 324,812 | 70.07 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LDT1 | Plug-in Hybrid | Aggregated | Aggregated | 175 | 4,372 | 725 | 0.16 | 0.00 | | | |
| Los Angeles | 2022 | Annual | LDT2 | Plug-in Hybrid | Aggregated | Aggregated | 8,466 | 211,817 | 35,005 | 7.77 | 0.00 | | | |
| Los Angeles | 2022 | Annual | MDV | Plug-in Hybrid | Aggregated | Aggregated | 5,058 | 116,993 | 20,914 | 4.35 | 0.00 | | | |
| | | | | | | | | | | | | MPG | Gallons Pe | r Mile |
| | | | | | | | Totals | 272,332,347.81 | | 11,036.30 | 1,643.90 | 21. | .5 | 0.05 |
| | | | | | | | Total (GAS) | 258,839,349.57 | 0.95 | | | 23. | .5 | 0.04 |
| | | | | | | | Total (DSL) | 13,492,998.24 | 0.05 | | | 8. | .2 | 0.12 |

The Bloc

All Electric Calculation

| CAPCOA Consumption Rate ^a | | | | | | | | | | | | |
|--------------------------------------|--------|---------|----------------|------------|---------|------|--------|---------|--------------|---------|---------|------|
| | | Nati | ural Gas (Thei | rm/yr/KSF) | | | | Electr | icity (kWh/y | /r/KSF) | | |
| | Water | Primary | | | | | Water | Primary | | | | |
| Building Type | Heater | Heat | Cooking | Dryer | Cooling | Misc | Heater | Heat | Cooking | Dryer | Cooling | Misc |
| Apartments High Rise | | | | | | | 1052 | 350 | 262 | 365 | 397 | 560 |

^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 | | | | | | | | | | | | | | | |
|-----------------------|----------|--------|----------------------------|---------|-------|---------|------|-------|---------|---------|------------|----------|---------|---------|-----------|
| | | | Natural Gas (Therm/yr/KSF) | | | | | | | Electri | icity (kWh | /yr/KSF) | | | |
| | Amount | Water | Primary | | | | | | Water | Primary | | | | | |
| Project Uses | (DU/KSF) | Heater | Heat | Cooking | Dryer | Cooling | Misc | Total | Heater | Heat | Cooking | Dryer | Cooling | Misc | Total |
| Apartments High Rise | 466 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 490,232 | 163,100 | 122,092 | 170,090 | 185,002 | 260,960 | 1,391,476 |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 490,232 | 163,100 | 122,092 | 170,090 | 185,002 | 260,960 | 1,391,476 |

 Electricity Increase

 Title 24 (All - Electric)
 838,334

 Non Title 24 (All-Electric)
 553,142

The Bloc - SUD Signs

| Sign Size | 672 | ft ² | 14 by 48 |
|-----------------------------------|------------|------------------------|----------|
| Energy Useage per year | 34,000 | kWh/yr | High End |
| Energy Useage per ft ² | 50.5952381 | kWh/yr/ft ² | |
| | | | |
| Total Display Square Footage | 21,044 | ft ² | From IS |
| | | | |
| Total Energy Use per Year | 1,064,726 | kWh /yr | |
| Total Energy Use per Year | 1,065 | MWh/yr | |
| | | | |
| CO2e per year | 363,746 | lbs/year | |
| CO2e per year | 165 | MT/year | |

Peak Electricity Demand Calculations

Electrical Load Factor Equation

$$f_{Load} = rac{ ext{Average load}}{ ext{Maximum load in given time period}}$$

Load Factor (%)¹ 52%

Project Electricity Demand (Operational)

| Troject Electricity Demand (Ope | - acionaly | | |
|---------------------------------|------------|---------|----------|
| | Baseline | | Net |
| Annual Demand | (Existing) | Project | Increase |
| Building (MWh) | 242 | 4,678 | 4,435 |
| Water (MWh) | 20 | 156 | 136 |
| Total (MWh) | 262 | 4,834 | 4,571 |
| Average Daily Demand | | | |
| Building (kWh) | 664 | 12,816 | 12,151 |
| Water (kWh) | 55 | 428 | 373 |
| Total (kWh) | 719 | 13,244 | 12,525 |
| Average Load | | | |
| Building (kW) | 28 | 534 | 506 |
| Water (kW) | 2 | 18 | 16 |
| Total (kW) | 30 | 552 | 522 |
| Peak Load Calculation | | | |
| Peak Load (kW) | 56 | 1,045 | 989 |
| Systemwide Peak Load (MW) | 6,089 | 6,089 | 6,089 |
| Percent of Peak | | | 0.016% |
| | | | |

¹2017 Report: System Efficiency of California's Electric Grid. California Public Utilities Comn 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: 2027 (Construction Start Year)

Season: Annual

| Vehicle Classif | ication: EMF | AC2011 C | ategories | | | Fuel_Gasoline | Fuel_DSL | |
|-----------------|--------------|----------|------------|--------------|------------------|-------------------|----------------------|--|
| Region | CalYr | VehClass | MdlYr | Speed | Fuel | (1000 gallons/day |) (1000 gallons/day) | |
| Los Angeles | 2027 | HHDT | Aggregated | Aggregate | c Diesel | 0.0 | 00 1137.13 | |
| Los Angeles | 2027 | HHDT | Aggregated | Aggregate | c Gasoline | 0.5 | 0.00 | |
| Los Angeles | 2027 | LDA | Aggregated | Aggregate | c Diesel | 0.0 | 00 4.83 | |
| Los Angeles | 2027 | LDA | Aggregated | Aggregate | c Gasoline | 4209.3 | 0.00 | |
| Los Angeles | 2027 | LDT1 | Aggregated | Aggregate | c Diesel | 0.0 | 0.04 | |
| Los Angeles | 2027 | LDT1 | Aggregated | Aggregate | c Gasoline | 439.0 | 0.00 | |
| Los Angeles | 2027 | LDT2 | Aggregated | Aggregate | c Diesel | 0.0 | 00 7.47 | |
| Los Angeles | 2027 | LDT2 | Aggregated | Aggregate | c Gasoline | 2794.5 | 0.00 | |
| Los Angeles | 2027 | LHDT1 | Aggregated | Aggregate | c Diesel | 0.0 | 00 138.13 | |
| Los Angeles | 2027 | LHDT1 | Aggregated | Aggregate | c Gasoline | 349.8 | 0.00 | |
| Los Angeles | 2027 | LHDT2 | Aggregated | Aggregate | c Diesel | 0.0 | 73.25 | |
| Los Angeles | 2027 | LHDT2 | Aggregated | Aggregate | c Gasoline | 56.5 | 0.00 | |
| Los Angeles | 2027 | MCY | Aggregated | Aggregate | c Gasoline | 25.0 | 0.00 | |
| Los Angeles | 2027 | MDV | Aggregated | Aggregate | c Diesel | 0.0 | 00 18.31 | |
| Los Angeles | 2027 | MDV | Aggregated | Aggregate | c Gasoline | 1880.5 | 0.00 | |
| Los Angeles | 2027 | MH | Aggregated | Aggregate | c Diesel | 0.0 | 00 6.45 | |
| Los Angeles | 2027 | MH | Aggregated | Aggregate | c Gasoline | 31.2 | 0.00 | |
| Los Angeles | 2027 | MHDT | Aggregated | Aggregate | c Diesel | 0.0 | 00 291.06 | |
| Los Angeles | 2027 | MHDT | Aggregated | Aggregate | c Gasoline | 141.8 | 0.00 | |
| Los Angeles | 2027 | OBUS | Aggregated | Aggregate | c Diesel | 0.0 | 00 24.06 | |
| Los Angeles | 2027 | OBUS | Aggregated | Aggregate | c Gasoline | 24.5 | 0.00 | |
| Los Angeles | 2027 | SBUS | Aggregated | Aggregate | c Diesel | 0.0 | 00 4.83 | |
| Los Angeles | 2027 | SBUS | Aggregated | Aggregate | c Gasoline | 7.6 | 0.00 | |
| Los Angeles | 2027 | UBUS | Aggregated | Aggregate | c Diesel | 0.0 | 0.41 | |
| Los Angeles | 2027 | UBUS | Aggregated | Aggregate | c Gasoline | 6.5 | 0.00 | |
| Los Angeles | 2027 | LDA | Aggregated | Aggregate | c Plug-in Hybrid | 83.1 | .6 0.00 | |
| Los Angeles | 2027 | LDT1 | Aggregated | Aggregate | c Plug-in Hybrid | 3.0 | 0.00 | |
| Los Angeles | 2027 | LDT2 | Aggregated | Aggregate | c Plug-in Hybrid | 16.2 | 0.00 | |
| Los Angeles | 2027 | MDV | Aggregated | Aggregate | c Plug-in Hybrid | 9.4 | 0.00 | |
| | | | | | | 3,678,080,57 | 9 622,683,521 | |
| | | | Fuel Usa | ge for Proje | ct Construction | | | |
| | | | | | or Construction | · | · · | |

EMFAC Emission inventories for County

EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County Region: Los Angeles

Calendar Year: 2031 (Operational Start Year)

Season: Annual

| Vehicle Classif | ication: EMF | AC2011 Ca | tegories | | | Fuel_Gasoline | | Fuel_DSL |
|-----------------|--------------|-----------|-----------|-------------|-------------------|-----------------|------|--------------------|
| Region | CalYr | VehClass | MdlYr | Speed | Fuel | (1000 gallons/c | day) | (1000 gallons/day) |
| Los Angeles | 2031 | HHDT | Aggregate | c Aggregate | ec Diesel | | 0.00 | 1127.36 |
| Los Angeles | 2031 | HHDT | Aggregate | c Aggregate | ec Gasoline | | 0.42 | 0.00 |
| Los Angeles | 2031 | LDA | Aggregate | c Aggregate | ec Diesel | | 0.00 | 2.98 |
| Los Angeles | 2031 | LDA | Aggregate | c Aggregate | ec Gasoline | 376 | 3.78 | 0.00 |
| Los Angeles | 2031 | LDT1 | Aggregate | c Aggregate | ec Diesel | | 0.00 | 0.00 |
| Los Angeles | 2031 | LDT1 | Aggregate | c Aggregate | ec Gasoline | 39 | 4.00 | 0.00 |
| Los Angeles | 2031 | LDT2 | Aggregate | c Aggregate | ec Diesel | | 0.00 | 7.74 |
| Los Angeles | 2031 | LDT2 | Aggregate | c Aggregate | ec Gasoline | 277 | 0.51 | 0.00 |
| Los Angeles | 2031 | LHDT1 | Aggregate | c Aggregate | ec Diesel | | 0.00 | 141.75 |
| Los Angeles | 2031 | LHDT1 | Aggregate | c Aggregate | ec Gasoline | 31 | 2.49 | 0.00 |
| Los Angeles | 2031 | LHDT2 | Aggregate | c Aggregate | ec Diesel | | 0.00 | 75.77 |
| Los Angeles | 2031 | LHDT2 | Aggregate | c Aggregate | ec Gasoline | 4 | 9.57 | 0.00 |
| Los Angeles | 2031 | MCY | Aggregate | c Aggregate | ec Gasoline | 2 | 5.89 | 0.00 |
| Los Angeles | 2031 | MDV | Aggregate | c Aggregate | ec Diesel | | 0.00 | 17.40 |
| Los Angeles | 2031 | MDV | Aggregate | c Aggregate | ec Gasoline | 183 | 2.57 | 0.00 |
| Los Angeles | 2031 | MH | Aggregate | c Aggregate | ec Diesel | | 0.00 | 6.96 |
| Los Angeles | 2031 | MH | Aggregate | c Aggregate | ec Gasoline | 3 | 0.02 | 0.00 |
| Los Angeles | 2031 | MHDT | Aggregate | c Aggregate | ec Diesel | | 0.00 | 273.77 |
| Los Angeles | 2031 | MHDT | Aggregate | c Aggregate | ec Gasoline | 11 | 7.10 | 0.00 |
| Los Angeles | 2031 | OBUS | Aggregate | c Aggregate | ec Diesel | | 0.00 | 23.43 |
| Los Angeles | 2031 | OBUS | Aggregate | c Aggregate | ec Gasoline | 1 | 8.74 | 0.00 |
| Los Angeles | 2031 | SBUS | Aggregate | c Aggregate | ec Diesel | | 0.00 | 3.86 |
| Los Angeles | 2031 | SBUS | Aggregate | c Aggregate | ec Gasoline | | 7.73 | 0.00 |
| Los Angeles | 2031 | UBUS | Aggregate | c Aggregate | ec Diesel | | 0.00 | 0.00 |
| Los Angeles | 2031 | UBUS | Aggregate | c Aggregate | ec Gasoline | | 6.14 | 0.00 |
| Los Angeles | 2031 | LDA | Aggregate | c Aggregate | ec Plug-in Hybric | l 8 | 4.47 | 0.00 |
| Los Angeles | 2031 | LDT1 | Aggregate | c Aggregate | ec Plug-in Hybric | l | 1.69 | 0.00 |
| Los Angeles | 2031 | LDT2 | Aggregate | c Aggregate | ec Plug-in Hybric | l 2 | 2.15 | 0.00 |
| Los Angeles | 2031 | MDV | Aggregate | c Aggregate | ec Plug-in Hybric | l 1 | 2.93 | 0.00 |
| | | | | | | | | |

| | 3,405,078,509 | 613,573,367 |
|--------------------------------------|---------------|-------------|
| Net Fuel Usage for Project Operation | 40,719 | 7,243 |
| Percentage of County for Operation | 0.0012% | 0.0012% |

The Bloc - Existing Baseline for Site Custom Report

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1. Basic Project Information

1.1. Basic Project Information

| Data Field | Value |
|-----------------------------|---|
| Project Name | The Bloc - Existing Baseline for Site |
| Operational Year | 2022 |
| Lead Agency | _ |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 0.50 |
| Precipitation (days) | 16.8 |
| Location | 34.04742181840936, -118.25914539299177 |
| County | Los Angeles-South Coast |
| City | Los Angeles |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 4045 |
| EDFZ | 16 |
| Electric Utility | Los Angeles Department of Water & Power |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.22 |

1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | | Special Landscape Area (sq ft) | Population | Description |
|-----------------------------|------|----------|-------------|-----------------------|------|-----------------------------------|------------|-------------|
| Regional Shopping Center | 270 | 1000sqft | 6.19 | 269,622 | 0.00 | 0.00 | _ | _ |

| General Office Building | 656 | 1000sqft | 15.1 | 656,423 | 0.00 | _ | _ | _ |
|-------------------------------|------|----------|------|---------|------|---|---|---|
| Hotel | 496 | Room | 16.5 | 412,639 | 0.00 | _ | _ | _ |
| Health Club | 30.4 | 1000sqft | 0.70 | 30,363 | 0.00 | _ | _ | _ |
| Quality Restaurant | 23.2 | 1000sqft | 0.53 | 23,180 | 0.00 | _ | _ | _ |
| Movie Theater (No Matinee) | 569 | Seat | 0.29 | 28,770 | 0.00 | _ | _ | _ |

1.3. User-Selected Emission Reduction Measures by Emissions Sector

| Sector | # | Measure Title |
|--------|---------|--------------------------------|
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

4. Operations Emissions Details

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

| | ROG | NOx | | SO2 | | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|--------------------------------|-----|-----|---|-----|---|-------|-------|--------|--------|--------|--------|
| Daily, Summer (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 4,194 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 16,337 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 7,532 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 460 |
| Quality Restaurant | _ | _ | | _ | _ | _ | _ | _ | _ | _ | 1,180 |

| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 435 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|--------|
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 30,137 |
| Daily, Winter (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 4,194 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 16,337 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 7,532 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 460 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 1,180 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 435 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 30,137 |
| Annual | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 694 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 2,705 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 1,247 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 76.1 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 195 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 72.1 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 4,990 |

4.2.2. Electricity Emissions By Land Use - Mitigated

| Land Use | ROG | NOx | co | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|--------------------------------|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|--------|
| Daily, Summer (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 4,194 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 16,337 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 7,532 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 460 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 1,180 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 435 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 30,137 |
| Daily, Winter (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 4,194 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 16,337 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 7,532 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 460 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 1,180 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 435 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 30,137 |
| Annual | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 694 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 2,705 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 1,247 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 76.1 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 195 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 72.1 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 4,990 |

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

| | <u> </u> | | i · | | | | <u> </u> | | | | |
|--------------------------------|----------|------|------|---------|-------|-------|----------|--------|--------|--------|-------|
| Land Use | ROG | NOx | СО | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
| Daily, Summer (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | 0.02 | 0.36 | 0.30 | < 0.005 | 0.03 | _ | 0.03 | 0.03 | _ | 0.03 | 427 |
| General Office Building | 0.19 | 3.54 | 2.98 | 0.02 | 0.27 | _ | 0.27 | 0.27 | _ | 0.27 | 4,239 |
| Hotel | 0.15 | 2.68 | 2.25 | 0.02 | 0.20 | _ | 0.20 | 0.20 | _ | 0.20 | 3,211 |
| Health Club | 0.02 | 0.29 | 0.24 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 345 |
| Quality Restaurant | 0.03 | 0.59 | 0.50 | < 0.005 | 0.04 | _ | 0.04 | 0.04 | _ | 0.04 | 706 |
| Movie Theater (No Matinee) | 0.02 | 0.27 | 0.23 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 327 |
| Total | 0.43 | 7.73 | 6.50 | 0.05 | 0.59 | _ | 0.59 | 0.59 | _ | 0.59 | 9,253 |
| Daily, Winter (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

| Regional Shopping Center | 0.02 | 0.36 | 0.30 | < 0.005 | 0.03 | _ | 0.03 | 0.03 | _ | 0.03 | 427 |
|--------------------------------|---------|------|------|---------|---------|---|---------|---------|---|---------|-------|
| General Office Building | 0.19 | 3.54 | 2.98 | 0.02 | 0.27 | _ | 0.27 | 0.27 | _ | 0.27 | 4,239 |
| Hotel | 0.15 | 2.68 | 2.25 | 0.02 | 0.20 | _ | 0.20 | 0.20 | _ | 0.20 | 3,211 |
| Health Club | 0.02 | 0.29 | 0.24 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 345 |
| Quality Restaurant | 0.03 | 0.59 | 0.50 | < 0.005 | 0.04 | _ | 0.04 | 0.04 | _ | 0.04 | 706 |
| Movie Theater (No Matinee) | 0.02 | 0.27 | 0.23 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 327 |
| Total | 0.43 | 7.73 | 6.50 | 0.05 | 0.59 | _ | 0.59 | 0.59 | _ | 0.59 | 9,253 |
| Annual | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | < 0.005 | 0.07 | 0.05 | < 0.005 | < 0.005 | _ | < 0.005 | < 0.005 | _ | < 0.005 | 70.6 |
| General Office Building | 0.04 | 0.65 | 0.54 | < 0.005 | 0.05 | _ | 0.05 | 0.05 | _ | 0.05 | 702 |
| Hotel | 0.03 | 0.49 | 0.41 | < 0.005 | 0.04 | _ | 0.04 | 0.04 | _ | 0.04 | 532 |
| Health Club | < 0.005 | 0.05 | 0.04 | < 0.005 | < 0.005 | _ | < 0.005 | < 0.005 | _ | < 0.005 | 57.1 |
| Quality Restaurant | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | _ | 0.01 | 0.01 | _ | 0.01 | 117 |
| Movie Theater (No Matinee) | < 0.005 | 0.05 | 0.04 | < 0.005 | < 0.005 | _ | < 0.005 | < 0.005 | _ | < 0.005 | 54.1 |
| Total | 0.08 | 1.41 | 1.19 | 0.01 | 0.11 | _ | 0.11 | 0.11 | _ | 0.11 | 1,532 |

4.2.4. Natural Gas Emissions By Land Use - Mitigated

| Official Folia | tarito (ib/day | ioi daily, tolii, | yi ioi ailiidai) | ana Onios (| ibrady for dar | iy, ivi i/yi iOi c | ai ii idai j | | | | |
|------------------------|----------------|-------------------|------------------|-------------|----------------|--------------------|--------------|--------|--------|--------|------|
| Land Use | ROG | NOx | со | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
| Daily, Summer (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

| Regional Shopping Center | 0.02 | 0.36 | 0.30 | < 0.005 | 0.03 | _ | 0.03 | 0.03 | _ | 0.03 | 427 |
|--------------------------------|---------|------|------|---------|---------|---|---------|---------|---|---------|-------|
| General Office Building | 0.19 | 3.54 | 2.98 | 0.02 | 0.27 | _ | 0.27 | 0.27 | _ | 0.27 | 4,239 |
| Hotel | 0.15 | 2.68 | 2.25 | 0.02 | 0.20 | _ | 0.20 | 0.20 | _ | 0.20 | 3,211 |
| Health Club | 0.02 | 0.29 | 0.24 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 345 |
| Quality Restaurant | 0.03 | 0.59 | 0.50 | < 0.005 | 0.04 | _ | 0.04 | 0.04 | _ | 0.04 | 706 |
| Movie Theater (No Matinee) | 0.02 | 0.27 | 0.23 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 327 |
| Total | 0.43 | 7.73 | 6.50 | 0.05 | 0.59 | _ | 0.59 | 0.59 | _ | 0.59 | 9,253 |
| Daily, Winter (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | 0.02 | 0.36 | 0.30 | < 0.005 | 0.03 | _ | 0.03 | 0.03 | _ | 0.03 | 427 |
| General Office Building | 0.19 | 3.54 | 2.98 | 0.02 | 0.27 | _ | 0.27 | 0.27 | _ | 0.27 | 4,239 |
| Hotel | 0.15 | 2.68 | 2.25 | 0.02 | 0.20 | _ | 0.20 | 0.20 | _ | 0.20 | 3,211 |
| Health Club | 0.02 | 0.29 | 0.24 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 345 |
| Quality Restaurant | 0.03 | 0.59 | 0.50 | < 0.005 | 0.04 | - | 0.04 | 0.04 | _ | 0.04 | 706 |
| Movie Theater (No Matinee) | 0.02 | 0.27 | 0.23 | < 0.005 | 0.02 | _ | 0.02 | 0.02 | _ | 0.02 | 327 |
| Total | 0.43 | 7.73 | 6.50 | 0.05 | 0.59 | _ | 0.59 | 0.59 | _ | 0.59 | 9,253 |
| Annual | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | < 0.005 | 0.07 | 0.05 | < 0.005 | < 0.005 | _ | < 0.005 | < 0.005 | _ | < 0.005 | 70.6 |
| General Office Building | 0.04 | 0.65 | 0.54 | < 0.005 | 0.05 | _ | 0.05 | 0.05 | _ | 0.05 | 702 |
| Hotel | 0.03 | 0.49 | 0.41 | < 0.005 | 0.04 | _ | 0.04 | 0.04 | _ | 0.04 | 532 |

| Health Club | < 0.005 | 0.05 | 0.04 | < 0.005 | < 0.005 | _ | < 0.005 | < 0.005 | _ | < 0.005 | 57.1 |
|----------------------------|---------|------|------|---------|---------|---|---------|---------|---|---------|-------|
| Quality Restaurant | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | _ | 0.01 | 0.01 | _ | 0.01 | 117 |
| Movie Theater (No Matinee) | < 0.005 | 0.05 | 0.04 | < 0.005 | < 0.005 | _ | < 0.005 | < 0.005 | _ | < 0.005 | 54.1 |
| Total | 0.08 | 1.41 | 1.19 | 0.01 | 0.11 | _ | 0.11 | 0.11 | _ | 0.11 | 1,532 |

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

| | | |) | | ,, | , , | / | | | | |
|--------------------------------|-----|-----|----------|-----|-------|----------------|-------|--------|--------|--------|-------|
| Land Use | ROG | NOx | со | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
| Daily, Summer (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | | | | _ | _ | 377 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 2,200 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 237 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 33.9 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 133 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 96.9 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 3,077 |
| Daily, Winter (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 377 |

| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 2,200 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 237 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 33.9 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 133 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 96.9 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 3,077 |
| Annual | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 62.3 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 364 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 39.3 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 5.61 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 22.0 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 16.1 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 509 |
| | | | | | | | | | | | |

4.4.2. Mitigated

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | CO2e |
|--------------------------------|-----|-----|----|-----|-------|-------|-------|--------|--------|--------|------|
| Daily, Summer (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 377 |

| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 2,200 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 237 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 33.9 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 133 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 96.9 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 3,077 |
| Daily, Winter (Max) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 377 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 2,200 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 237 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 33.9 |
| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 133 |
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 96.9 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 3,077 |
| Annual | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| Regional Shopping Center | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 62.3 |
| General Office Building | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 364 |
| Hotel | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 39.3 |
| Health Club | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 5.61 |

| Quality Restaurant | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 22.0 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|------|
| Movie Theater (No Matinee) | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 16.1 |
| Total | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 509 |

5. Activity Data

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|----------------------------|----------------------|-----|--------|--------|-----------------------|
| Regional Shopping Center | 2,684,501 | 567 | 0.0489 | 0.0069 | 1,327,657 |
| General Office Building | 10,455,998 | 567 | 0.0489 | 0.0069 | 13,188,758 |
| Hotel | 4,820,818 | 567 | 0.0489 | 0.0069 | 9,990,258 |
| Health Club | 294,103 | 567 | 0.0489 | 0.0069 | 1,072,922 |
| Quality Restaurant | 754,975 | 567 | 0.0489 | 0.0069 | 2,195,833 |
| Movie Theater (No Matinee) | 278,673 | 567 | 0.0489 | 0.0069 | 1,016,631 |

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|--------------------------|----------------------|-----|--------|--------|-----------------------|
| Regional Shopping Center | 2,684,501 | 567 | 0.0489 | 0.0069 | 1,327,657 |
| General Office Building | 10,455,998 | 567 | 0.0489 | 0.0069 | 13,188,758 |
| Hotel | 4,820,818 | 567 | 0.0489 | 0.0069 | 9,990,258 |
| Health Club | 294,103 | 567 | 0.0489 | 0.0069 | 1,072,922 |
| Quality Restaurant | 754,975 | 567 | 0.0489 | 0.0069 | 2,195,833 |

| Movie Theater (No Matinee) 278,673 567 0.0489 0.0069 1,016,631 |
|--|
|--|

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|----------------------------|-------------------------|--------------------------|
| Regional Shopping Center | 19,971,581 | 0.00 |
| General Office Building | 116,668,520 | 0.00 |
| Hotel | 12,581,918 | 0.00 |
| Health Club | 1,795,763 | 0.00 |
| Quality Restaurant | 7,035,911 | 0.00 |
| Movie Theater (No Matinee) | 5,141,503 | 0.00 |

5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|----------------------------|-------------------------|--------------------------|
| Regional Shopping Center | 19,971,581 | 0.00 |
| General Office Building | 116,668,520 | 0.00 |
| Hotel | 12,581,918 | 0.00 |
| Health Club | 1,795,763 | 0.00 |
| Quality Restaurant | 7,035,911 | 0.00 |
| Movie Theater (No Matinee) | 5,141,503 | 0.00 |

8. User Changes to Default Data

| Screen | Justification |
|--------------------------------------|--------------------------------|
| Characteristics: Utility Information | LADWP Power Content Label 2022 |
| Land Use | Energy Calculation |