**Table 1 – Total Construction-Related Fuel Consumption**

**First Industrial Warehouse at Day Street**

| Fuel | Consumption | |
|---|---|---|
| **Diesel** | | |
| On-Road Construction Trips[1] | 12,319 | Gallons |
| Off-Road Construction Equipment[2] | 32,876 | Gallons |
| **Diesel Total** | **45,195** | **Gallons** |
| **Gasoline** | | |
| On-Road Construction Trips[1] | 16,194 | Gallons |
| Off-Road Construction Equipment[3] | - | Gallons |
| **Gasoline Total** | **16,194** | **Gallons** |

Notes:

1. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod for construction in 2023 and fleet-average fuel consumption in gallons per mile from EMFAC2017 web based data for Riverside County. See Table 2 for calculation details.
2. Off-road mobile source fuel usage based on a fuel usage rate of 0.05 gallons of diesel per horsepower (HP)-hour, based on SCAQMD CEQA Air Quality Handbook, Table A9-3E.
3. All emissions from off-road construction equipment were assumed to be diesel.

**Table 2 – On-Road Construction Trip Estimates**

**First Industrial Warehouse at Day Street**

| Trip Type | Trips | Trip length | Vehicle Miles Traveled (VMT) | Fuel Efficiency | Annual Fuel Usage[1] | |
|---|---|---|---|---|---|---|
| | (trips) | (miles) | (miles) | (mpg) | (Fuel) | (gallon) |
| Worker[2,3] | 32,991 | 14.7 | 484,968 | 29.3 | Gasoline | 16,194 |
| Vendor[4] | 12,464 | 6.9 | 86,002 | 9.6 | Diesel | 9,398 |
| Hauling[5] | 1,100 | 20 | 22,000 | 7.5 | Diesel | 2,921 |

Notes:

1. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod output (See Air Quality/GHG Memo) for construction and fleet-average fuel consumption in gallons per mile from EMFAC2017 web based data for 2023 in Riverside County.
2. Worker trips were assumed to be 100% gasoline powered vehicles.
3. Per CalEEMod, worker Trips were assumed to be 50% LDA, 25% LDT1, and 25% LDT2.
4. Vendor trips were assumed to be 50% MHDT and 50% HHDT, split evenly between the MHDT and HHDT construction categories.
5. Per CalEEMod, hauling trips were assumed to be 100% HHDT.

**Table 3 – Annual Energy Consumption from Operation**

**First Industrial Warehouse at Day Street**

| Fuel Type | Energy Consumption | Units | Natural Gas | Units |
|---|---|---|---|---|
| **Electricity** | | | | |
| Building[1] | 463,682 | kWh/year | **331,586** | kBTU/yr |
| Water[2] | 19,965 | kWh/year | | |
| EV Charging Stations[3] | 1,478,250 | kWh/year | | |
| **Total Electricity** | **1,961,897** | kWh/year | | |
| **Mobile[4]** | | | | |
| Gasoline | **51,044** | gallons/year | | |
| Diesel | **96,960** | gallons/year | | |

Notes:

1. Building electricity use from CalEEMod output (See Air Quality/GHG Memo).
2. Calculated based on the Project's annual water consumption using CalEEMod SCAQMD energy intensity of 0.0111 kWh per gallon for supply, distribution, and treatment of water and 0.013021 kWh per gallon for supply, distribution, and treatment of water and wastewater treatment.
3. Nine Electric Vehicle (EV) charging stations assumed. Per SCAQMD's Final Staff Report for Proposed Rule 2305 and Proposed Rule 316, May 2021, each charging station is assumed to have a 50 kW charger and daily usage is estimated at approximately 10 hours a day, or equal to approximately 450 KWh per day.
4. Mobile source fuel use based on annual vehicle miles traveled (VMT) from CalEEMod output for operational year 2024 and fleet-average fuel consumption in gallons per mile from EMFAC2017 web based data in Riverside County.