

Table 1 – Total Construction-Related Fuel Consumption

First Industrial Logistics at Harley Knox and Indian

Fuel	Consumption	
Diesel		
On-Road Construction Trips ¹	24,750	Gallons
Off-Road Construction Equipment ²	35,752	Gallons
Diesel Total	60,503	Gallons
Gasoline		
On-Road Construction Trips ¹	33,816	Gallons
Off-Road Construction Equipment ³	-	Gallons
Gasoline Total	33,816	Gallons

Notes:

1. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod for construction in 2025 and fleet-average fuel consumption in gallons per mile from EMFAC2021 web based data for Riverside (South Coast). 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

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Trip Type	Trips	Trip length	Vehicle Miles Traveled (VMT)	Fuel Efficiency	Annual Fuel Usage ¹	
	(trips)	(miles)	(miles)	(mpg)	(Fuel)	(gallon)
Worker ^{2,3}	47,762	18.5	883,597	26.7	Gasoline	33,815.53
Vendor ⁴	17,780	10.2	181,356	7.6	Diesel	24,750.49
Hauling ⁵	0	20	0	6.2	Diesel	0

Notes:

1. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod (See Air Quality/GHG Memo) for construction and fleet-average fuel consumption in gallons per mile from EMFAC2021 web based data for 2025 in Riverside (South Coast).
2. Worker trips were assumed to be 100% gasoline powered vehicles.
3. Per CalEEMod, worker Trips were assumed to be 25% LDA, 50% 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 Logistics at Harley Knox and Indian

Fuel Type	Energy Consumption	Units	Natural Gas	Units
Electricity				
Building ¹	2,861,916	kWh/year	10,496,652	kBTU/yr
Water ²	132,995	kWh/year		
EV Charging Stations ³	7,227,000	kWh/year		
Forklifts ⁴	1,283,436	kWh/year		
Yard Trucks ⁵	61,320	kWh/year		
Total Electricity	11,566,667	kWh/year		
Mobile⁶				
Gasoline	190,932	gallons/year		
Diesel	128,272	gallons/year		
Natural Gas	6,688	gallons/year		
Plug-in Hybrid (Combustion Portion)	1,908	gallons/year		
Plug-in Hybrid (Electric Portion)	19,528	kWh/year		
Electricity	95,754	kWh/year		

Notes:

1. Building electricity use from CalEEMod (See Air Quality Memo).
2. Calculated based on the Project's annual water consumption from Eastern Municipal Water District and CalEEMod defaults using CalEEMod SCAQMD energy intensity of 0.005306 kWhr per gallon for supply, distribution, and treatment of water and 0.006807 kWhr per gallon for supply, distribution, and treatment of water and wastewater treatment.
3. Forty-four (44) 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. Electric forklift estimates includes approx. 66 forklifts, each using 19,446 KWh per year based on usage rate of 0.12 forklifts per 1,000 square feet from the SCAQMD High Cube Truck Trip Warehouse Study White Paper Summary of Business Survey Results, June 2014 and annual electricity consumption from the Electric Power Research Institute in 2015 (See Air Quality/GHG Memo).
5. Electric yard truck estimates includes approx. 2 yard trucks each using 84 kWh per year based on SCAQMD Governing Board Meeting Agenda: May 7, 2021, Item 27: Certify Final Environmental Assessment and Adopt Proposed Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions Program, and Proposed Rule 316 – Fees for Rule 2305, Submit Rule 2305 for Inclusion Into the SIP, and Approve Supporting Budget Actions (See Air Quality/GHG Memo).
6. Mobile source fuel use based on annual vehicle miles traveled (VMT) from CalEEMod output for operational year 2026 and fleet-average fuel consumption by fuel type per mile from EMFAC2021 web based data in Riverside County (South Coast).