Power Santa Clara Valley Project
Project Fuel Use Calculations - Project Construction

Fuel Usage (gallons) = CO_2 emission (kg) / fuel combustion rate (kg/gallon)

Diesel Emissions		
off road equipment	10333.80	MT
onroad (haul & vendor trips)	846.98	MT
Total Diesel Emissions	11180.78	MT
kg/MT	1000	
Total CO_2 Emissions (kg)	11180780	kg

Diesel fuel combustion rate	10.21	kg/gallon
Diesel fuel consumption	1,095,081	gallons

Gasoline Emissions		
Worker Trips	268.1	MT
kg/MT	1000	
Total Emissions (kg)	268100	kg

Gasoline combustion rate	8.78	kg/gallon
Gasoline consumption	30,535	gallons

Notes

Combustion rates taken from The Climate Registry 2020 default emission factors (Table 2.1).

Updated March 2025 in response to Data Request No. 3.

Power Santa Clara Valley Project
Project Fuel Use Calculations - Project Operations

Fuel Usage (gallons) = CO_2 emission (kg) / fuel combustion rate (kg/gallon)

Diesel Emissions		
off road equipment	0	MT
onroad (haul & vendor trips)	0	MT
Total Diesel Emissions	0	MT
kg/MT	1000	
Total CO_2 Emissions (kg)	0	kg

Diesel fuel combustion rate	10.21	kg/gallon
Diesel fuel consumption	0	gallons

Gasoline Emissions		
Worker Trips	6.3	MT
kg/MT	1000	
Total Emissions (kg)	6300	kg

Gasoline combustion rate	8.78	kg/gallon
Gasoline consumption	718	gallons

Notes

Combustion rates taken from The Climate Registry 2020 default emission factors (Table 2.1).
Updated March 2025 in response to Data Request No. 3.