

**Power the South Bay Project**  
**Project Fuel Use Calculations - Project Construction**

Fuel Usage (gallons) = CO<sub>2</sub> emission (kg) / fuel combustion rate (kg/gallon)

<b><u>Diesel Emissions</u></b>	
off road equipment	5818.2 MT
onroad (haul & vendor trips)	945.31 MT
Total Diesel Emissions	6763.51 MT
kg/MT	1000
Total CO <sub>2</sub> Emissions (kg)	6763510 kg

Diesel fuel combustion rate 10.21 kg/gallon

Diesel fuel consumption 662,439.76 gallons

<b><u>Gasoline Emissions</u></b>	
Worker Trips	230.61 MT
kg/MT	1000
Total Emissions (kg)	230610 kg

Gasoline combustion rate 8.78 kg/gallon

Gasoline consumption 26,265.38 gallons

**Notes**

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

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

Fuel Usage (gallons) = CO<sub>2</sub> emission (kg) / fuel combustion rate (kg/gallon)

<b><u>Diesel Emissions</u></b>	
off road equipment	0 MT
onroad (haul & vendor trips)	0 MT
Total Diesel Emissions	0 MT
kg/MT	1000
Total CO <sub>2</sub> Emissions (kg)	0 kg

Diesel fuel combustion rate            10.21 kg/gallon

Diesel fuel consumption                0 gallons

<b><u>Gasoline Emissions</u></b>	
Worker Trips	9.71 MT
kg/MT	1000
Total Emissions (kg)	9710 kg

Gasoline combustion rate            8.78 kg/gallon

Gasoline consumption                1106 gallons

### **Notes**

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