

CARL MOYER

INFRASTRUCTURE



South Coast Air
Quality Management
District

2021



Eligible Projects



Battery Charging Station for Heavy Duty Vehicles

- New, conversion of existing, or expansion



Alternative Fueling Station for Heavy Duty Vehicles

- New, conversion of existing, or expansion to existing hydrogen and natural gas fueling stations



Truck Stop Electrification*

- Electric Power infrastructure at truck stop providing energy for Heavy Duty Vehicles

* Considered on a case by case basis

Eligible Projects (Continued)



Stationary Agricultural Pump Electrification

- Infrastructure associate with zero-emission stationary agricultural pump



Shore Power

- Shore-side electrification for projects not subject to CARB's Shore Power Regulation
- Eligible under Marine Vessel category



Infrastructure for TRUs*

- Supporting zero-emission transport refrigeration unit (TRU)

* Considered on a case by case basis

Project Eligibility and Requirements

- ▶ Installed and located in the South Coast Air Basin
- ▶ Comply with all applicable Federal, State, Local laws and requirements
 - ▶ Including environmental laws, state building, environmental and fire codes.
- ▶ New equipment and parts only.
 - ▶ Remanufactured and refurbished equipment and parts are not eligible
- ▶ Work performed by a skilled and trained workforce, must include a licensed contractor and other applicable requirements

Project Eligibility and Requirements

(Continued)

- ▶ For Battery Charging Station
 - ▶ Chargers must be Level 2 or higher Chargers only
 - ▶ Chargers must be certified by a Nationally Recognized Testing Lab found at <https://www.osha.gov/dts/otpca/nrtl/nrtllist.html>
 - ▶ Equipment must have a one year warranty
- ▶ Hydrogen or Natural Gas Fueling Station
 - ▶ Equipment must have a three year warranty

Project Eligibility and Requirements

(Continued)

- ▶ For publicly accessible stations
 - ▶ Accessible to public daily during regular business hours
- ▶ For Stationary Agricultural Pump Electrification
 - ▶ Directly power a zero-emission stationary agricultural pump funded by the South Coast AQMD with Moyer Program funds.

Project Eligibility and Requirements

► Project Life

Infrastructure Project Type	Minimum	Maximum
All Projects (except stationary agricultural pump electrification projects)	3 years	15 years
Stationary Agricultural Pump Electrification	3 years	10 years

Maximum Percentage of Eligible Cost

Infrastructure Project	Maximum Percentage
All Projects <i>(unless falls in categories below)</i>	50%
Publicly Accessible Projects <i>(unless falls in categories below)</i>	60%
Projects with Solar/Wind Power Systems*	65%
Publicly Accessible Projects with Solar/Wind Power Systems*	75%
Infrastructure Serving Public School Buses - Battery Charging - Alternative Fueling	100%

*At least 50% of the energy must be generated from solar or wind.

Eligible Cost



Cost of design and engineering
(labor, Americans with Disabilities Act accessibility, site preparation, signage, etc.)



Cost of equipment
(charging/fueling units, parts for electrical upgrade, energy storage equipment, materials, required equipment warranty, etc.)



Meter/data loggers



On-site power generation system that fuels or powers covered sources (i.e., solar and wind power generation equipment)

Ineligible Cost

- Existing station enhancement
- Fuel and energy costs
- Operation cost (e.g., operational fees, maintenance, repairs, improvements, spare parts)
- Extended warranty
- Insurance
- Data collection and reporting
- Grantee administrative costs
- Travel/lodging
- Employee training and salaries
- Legal Fees
- Real estate property purchase/leases
- Construction management
- Storm water plan costs
- Security costs
- Testing and soil sampling
- Security costs
- Hazardous materials, including permitting, handling and disposal

Application Requirements

- ▶ Annual Usage Projection
 - ▶ Fleet Commitment Information
 - ▶ Estimated number of vehicles or equipment that will use the infrastructure
 - ▶ Annual Estimated Equipment Throughput (kWh or GGE)
- ▶ Technical Specifications
 - ▶ Include list of equipment, hardware and components
 - ▶ Include compressor size, number of dispensers, number of fuel nozzles, storage capacity, dispensing rate.
- ▶ Project Timeline/Schedule/Plan

Application Requirements (Continued)

▶ A Site Plan

- ▶ Site location address
- ▶ Site Map - locations of dispenser islands or charger, canopies, fuel storage tanks, compressors, walls and/or spill containment areas as appropriate
- ▶ Documentation showing power/fuel can be provided to the site

▶ Description of other project elements

- ▶ Site amenities such as private access/public access islands, card reader payment options, overhead canopies, signage, traffic circulation plan, landscaping, fencing, security lighting, etc.

Application Requirements (Continued)

- ▶ Solicitation and Selection Process
- ▶ Installer and Vender Information
- ▶ Cost Estimates
 - ▶ Minimum of one itemized quote from licensed installer and vendor
 - ▶ Include equipment warranty cost
 - ▶ Quotes must be dated within 90 days of application submittal date
 - ▶ Must justify the amount of funding requested
- ▶ Disclosure of all sources of funding
 - ▶ Private, local, other State, Federal funding sources, etc.
 - ▶ Include the amount of each funding

Application Requirements (Continued)

- ▶ Land Ownership/Lease Agreement
 - ▶ If Lease, Lease Agreement must cover the duration of the Project Life
- ▶ Local Permit and Plans
 - ▶ Include permits obtained (i.e., building, construction, fire, safety, CEQA)
 - ▶ Submit timeline/plan on when permits are to be obtained
- ▶ For Station Expansion Projects Only
 - ▶ Provide information on the base load and new load to justify the need

Application Requirements (Continued)

- ▶ For Electric Charge Stations
 - ▶ Design specification of chargers
 - ▶ Show certification by nationally recognized testing laboratory (<https://www.osha.gov/dts/otpca/nrtl/nrtllist.html>)
 - ▶ Voltage, amperage, wattage, efficiency, number of charging stations and chargers, level of chargers, charging rate, etc.
 - ▶ Estimate of the annual connections to the chargers and average connection time

Infrastructure Post-Inspection Requirements



Post-Inspection

- Verifies that the infrastructure is connected and operational.
- It is the applicant's responsibility to contact assigned project officer to request a post inspection

NOTE: All inspections must be conducted, and reports reviewed prior to payment of invoices



Payment (Infrastructure)

- Post inspections completed and reports reviewed
- Submit itemized Invoice that includes equipment cost, equipment warranty, labor, etc.

APPLICATION DEADLINE

TUESDAY June 1, 2021 AT 1PM

APPLY ONLINE ONLY:
<https://carlmoyeronline.aqmd.gov/>

Yuh Jiun Tan

(909) 396-2463

ytan@aqmd.gov

Tom Lee

(909) 396-2270

tlee@aqmd.gov

Please direct questions to:

carlmoyer@aqmd.gov

CONTACT INFORMATION

