



Infrastructure

CARL MOYER PROGRAM 2020



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

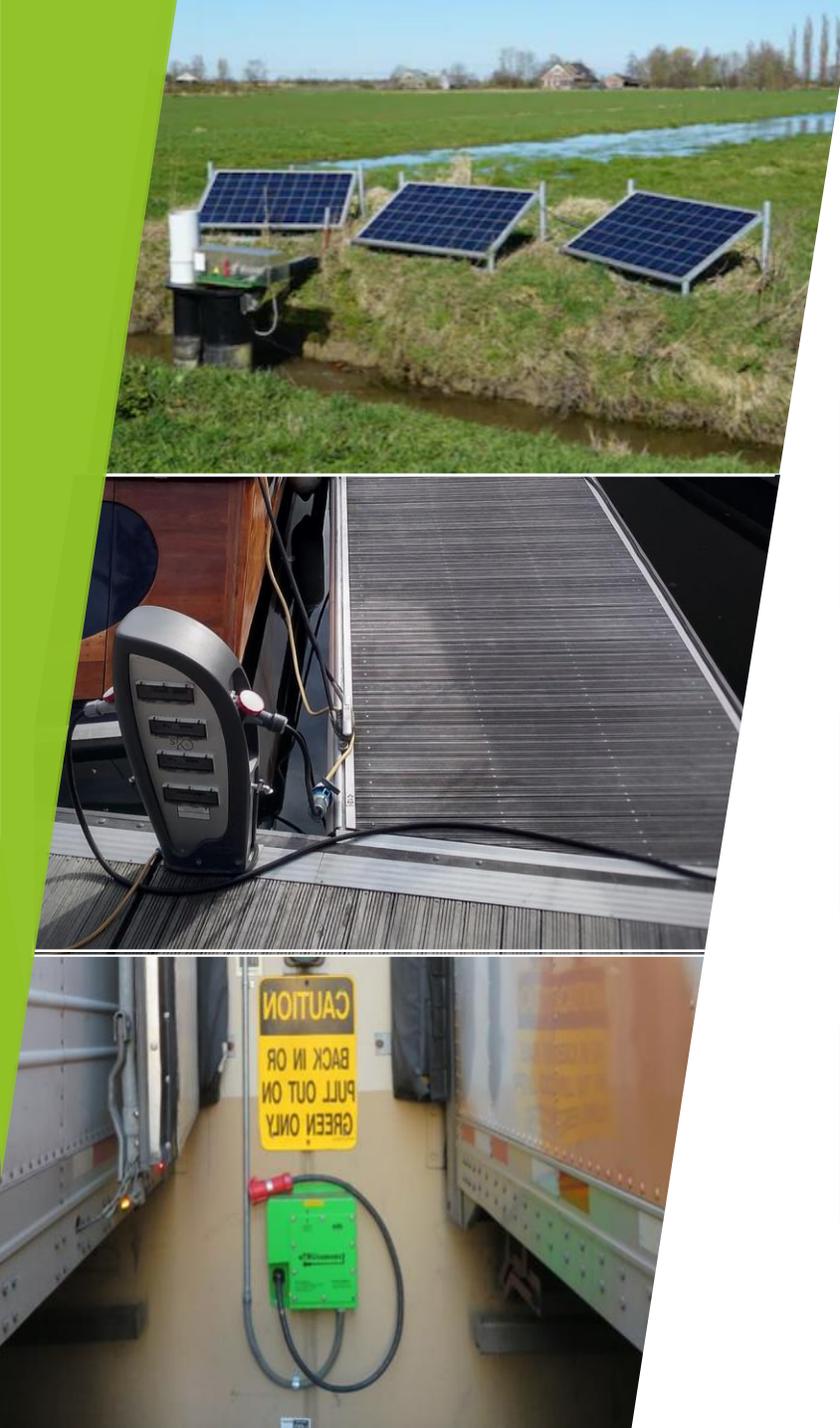
Shore Power

- 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 license contractor



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 <ul style="list-style-type: none">- 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
- ▶ 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 two itemized quotes from licensed installers
 - ▶ Include equipment warranty cost
- ▶ 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/otpc/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 AUGUST 4, 2020 AT 1PM

APPLY ONLINE:

<https://carlmoyeronline.aqmd.gov/>

FOR PAPER APPLICATIONS:

www.aqmd.gov/moyer



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