

2019 CARL MOYER PROGRAM



INFRASTRUCTURE



**SOUTH COAST
AIR QUALITY MANAGEMENT
DISTRICT**

Eligible Projects



- **New, conversion or expansion of existing stations for heavy duty vehicles**
 - Battery charging station
 - Alternative fuel station (priority given to renewable fuel)
- **Stationary agricultural pumps**
 - Infrastructure associated with zero-emission stationary agricultural pumps
- **Shore power**
 - Shore-side electrification for projects not subject to CARB's shore power regulation

Eligible Projects (cont'd)



- Shiplside shore power projects are eligible under marine vessel category
- Hybrid or zero-emission transport refrigeration unit (TRU) supporting infrastructure (CBC)
- Truck stop electrification (CBC)

Maximum Percentage of Eligible Costs



Maximum Percentage of Eligible Cost	Infrastructure Project Type
50%	All Project Types
60%	Publicly Accessible Projects
65%	Projects with Solar/Wind Power Systems
75%	Publicly Accessible Projects with Solar/Wind Power Systems
100%	Public School Buses-Battery Charging and Alternative Fueling

Application Requirements



- Annual usage projection
- Technical specifications
 - ✦ Including list of equipment, hardware and components
- Design specification for chargers
 - ✦ Certified by a nationally recognized testing laboratory (i.e., UL, Intertek)
 - ✦ Voltage, amperage, wattage, charge connections, etc.
- Design specification for alternative fueling equipment
 - ✦ compressor size, number of dispensers, number of fuel nozzles, dispensing rate, storage capacity, etc.

Application Requirement (cont'd)



- Estimate of the annual connections to the chargers and average connection time
- 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
 - ✦ Site owner authorization to operate the infrastructure onsite
- A 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 Requirement (cont'd)



- **Installer and vendor information**
- **Cost estimates**
 - ✦ Minimum of two quotes/bids from licensed installers
 - ✦ Description of the process used to select the final bid
- **Disclosure of all sources of funding**
 - ✦ Private, local, other State, Federal funding sources, etc.
- **For station expansion project**
 - ✦ Provide information on the base load and new load to justify the need
- **Fleet commitments - an estimate of number of vehicles or equipment that will use the infrastructure**

Eligible Costs



- Limited to the purchase and installation of the equipment for power delivery or fueling directly related to the infrastructure project
- Must utilize commercially available technologies
- Equipment and parts must be new
- Eligible project costs include:
 - Cost of design and engineering (i.e., labor, site preparation, Americans with Disabilities Act accessibility, signage)
 - Cost of equipment (e.g., charging/fueling units, parts for electrical upgrade, energy storage equipment, materials)
 - Meter/data loggers
 - On-site power generation system that fuels or powers covered sources (i.e., solar and wind power generation equipment)

Ineligible Costs



- 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
- Travel/lodging
- Employee training and salaries

Ineligible Costs (cont'd)



- Legal fees
- Real estate property purchase/leases
- Security costs
- Testing and soil sampling
- Hazardous materials, including permitting, handling and disposal

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