

# INFRASTRUCTURE



## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 2018 CARL MOYER PROGRAM



# Eligible Projects



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

## Eligible Projects (cont'd)



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

# Maximum Percentage of Eligible Cost



<b>Maximum Percentage of Eligible Cost</b>	<b>Infrastructure Projects</b>
50%	All Projects
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 Requirement



- Annual usage projection
- Technical specification
  - ✦ Including list of equipment, hardware and components
- Design specification of chargers
  - ✦ Certified by a nationally recognized testing laboratory (i.e., UL, Intertek)
  - ✦ Voltage, amperage, wattage, efficiency, compressor size, number of dispensers, number of fuel nozzles or charge connections, 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
- 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.
- Installer and vendor information
- Cost estimates
  - ✦ Minimum of two quotes/bids from licensed installers

# Application Requirement (cont'd)



- 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 commitment information* - 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

# Contact Information



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