

2018 CARL MOYER PROGRAM



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

LOCOMOTIVES



Eligible Projects



- Locomotive Replacement
- Locomotive Engine Repower
- Head end power unit (HEP)
 - Case-by-case approval

Maximum Funding Amounts



Maximum Grant Amount for Carl Moyer Program Locomotive Projects in the SCAQMD

Railroad Class/Type	Alternative Technology Switcher
Class 1/Class 2	75 percent
Class 3 and Passenger, Military, and Industrial	85 percent

Project Criteria



- Must be U.S. EPA certified and ARB verified Tier 4 locomotive emission standards (or cleaner)
- Class 1 freight locomotive projects are only eligible on a case-by-case basis
- Activity must be based on fuel consumption
 - megawatt hours from electronically logged data may be used
- Participant must have owned the baseline locomotive for at least a year
- Destruction of a locomotive engine must include a hole in the engine block
- Minimum project life is 3 years.

Project Criteria (cont'd)



● **Locomotive Replacement**

- Locomotives include rail equipment designed for use on tracks or to replace switcher locomotives
 - On-rail vehicles
 - Railcar movers
 - Sweepers
 - Wheel cranes with tires or mounted tracks

- New locomotives $\geq 1,006$ hp (750kW) must be U.S. EPA certified and ARB verified Tier 4 locomotive emission standards (or cleaner)

- New locomotives $\leq 1,006$ hp must be certified to U.S. EPA off-road (non-road) emission standards, and verified by ARB to meet or exceed the Tier 4 locomotive standards

Project Criteria (cont'd)



- **Locomotive Replacement**

- Zero emission locomotives must have ARB verification
- The baseline locomotive engine(s) must be destroyed
 - Chassis may be reused if it is repowered to a Tier 4 or cleaner locomotive engine standard
- Maximum project life is 15 years

Project Criteria (cont'd)



- **Locomotive Engine Repower**

- Engine must be certified by U. S. EPA and verified by ARB to meet Tier 4 locomotive emission standards or cleaner
- The maximum project life is 15 years

Project Criteria (cont'd)



- **Head End Power Unit (HEP)**
 - Case-by-case approval
 - Baseline engine must be certified to off-road standard at the time of manufacture
 - New HEP must be certified to the U. S. EPA Tier 4 final or cleaner off-road (non-road) emission standards

Contact Information



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