

2019 CARL MOYER PROGRAM



LOCOMOTIVES



**SOUTH COAST
AIR QUALITY MANAGEMENT
DISTRICT**

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

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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