

CHAPTER 9: OFF-ROAD EQUIPMENT REPLACEMENT

* * * * *

C. Project Criteria

* * * * *

3. Replacement Equipment Requirements

All replacement equipment must meet the following conditions:

- (A) The new or used replacement equipment must have an engine meeting the most recent California emission standard (e.g., the current Tier). If a specific piece of equipment cannot be purchased and delivered with an engine meeting the most recent emission standard or Tier within six months from the time the air district commits to the proposed project, then equipment with an engine meeting the previous emission standard or Tier may be purchased. For purposes of this section, an air district's commitment to a proposed project shall be consistent with that stated in their equipment replacement plan and/or their policies and procedures.

* * * * *

(4) Interim Tier 4 (interim Tier 4, Tier 4 Phase-Out, Tier 4 Phase-In/Alternate NOx) and Tier 4 Final Engines participating in the averaging, banking, and trading program that are certified to family emission limits (FELs) higher than the applicable emission standards, as designated on ARB's Executive Order, are eligible to participate in the Carl Moyer Program. The appropriate emission factor for calculating emission reductions and cost effectiveness shall be equivalent to the emission factors associated with the Tier 3 for engines 50 to 750 horsepower and Tier 2 for engines less than 50 horsepower or greater than 750 horsepower. are ineligible to participate in the Carl Moyer Program.

(5) Interim Tier 4 and Tier 4 engines participating in the averaging, banking, and trading program that are certified to FEL below the applicable emission standards, as designated on ARB's Executive Order, are eligible to participate in the Carl Moyer Program. The appropriate emission factor for calculating emission reductions and cost effectiveness shall be the emission factors associated with the applicable interim Tier 4 (interim Tier 4, Tier 4 Phase-Out, Tier 4 Phase-in/Alternate NOx) or Tier 4 Final emission standard.

(5) (6) The engine in the replacement equipment must be certified to a oxides of nitrogen (NOx) emission standard that is at least 15 percent

ATTACHMENT 6

lower than the emission standard(s) applicable to the existing engine certified to either the current applicable emission standard or to a FEL NOx or NOx+non-methane hydrocarbons (NMHC) level that is lower than the required emission standard.

- ~~(6)~~ (7) For CI equipment, engines that are participating in the “Tier 4 Early Introduction Incentive for Engine Manufacturers” program, as detailed in California Code of Regulations, title 13, section 2423(b)(6), are eligible for Carl Moyer Program funding provided that they are certified to the final Tier 4 emission standards. ARB’s Executive Order for these engines indicates that the engines are certified under this provision. The emission rates for these engines used to determine cost-effectiveness shall be equivalent to the emission factors associated with Tier 3 engines. Air districts must retain this documentation in the project file.
- ~~(7)~~ (8) Interim Tier 4 CI engines between 75 and 750 hp, certified to the Phase-In, Phase-Out, and Alternate NOx standards as detailed in California Code of Regulations, title 13, section 2423(b)(1)(B), are eligible for funding. The appropriate emission factor when calculating emission reductions and cost effectiveness are listed in Appendix D, Table D-12.
- ~~(8)~~ (9) Equipment manufactured under the “Flexibility Provisions for Equipment Manufacturers”, as detailed in California Code of Regulations, title 13, section 2423(d) are ineligible for Carl Moyer Program funding as replacement equipment, provided the equipment meets the Tier 3 or cleaner level. Eligible equipment produced under the flexibility provisions whose reference engine family is certified to an FEL are also subject to the provisions of section (4) or (5) above. Equipment manufactured under the “Flexibility Provisions for Equipment Manufacturers,” with an engine whose reference engine family meets a standard, Tier or FEL less stringent than Tier 3 standard (or Tier 2 standard for engines less than 50 horsepower or greater than 750 horsepower), are ineligible for funding.
- ~~(9)~~ (10) The certification emission standard and/or Tier designation for the engine must be determined from the Executive Order or United States Environmental Protection Agency Certificate of Conformity (for federally preempted engines) issued for that engine. ARB Executive Orders for off-road engines may be found at <http://www.arb.ca.gov/msprog/offroad/cert/cert.php>