

**2008 Guidelines
Carl Moyer Program
Off-Road Equipment**

2008 Carl Moyer Program Guidelines

- All information in this presentation is based on DRAFT guidelines issues by CARB on November 11, 2007.
- AQMD intends to utilize the new guidelines once they are adopted which is anticipated to occur on March 27, 2008
- For more information, visit ARB's website:

www.arb.ca.gov/msprog/moyer/moyer.htm

ARB Rules

- In-Use Off-Road Diesel Vehicle Regulation
 - Limited opportunity for Moyer funding based on fleet size
- Cargo Handling Equipment at Ports and Intermodal Rail Yards
 - Limited opportunity for Moyer funding
- Portable Diesel Fueled Engine ACTM
 - Not eligible for Moyer Funds

Opportunities for non-SOON Fleets

- Large fleets- Limited funding
- Medium fleets- Funding until February 28, 2010, then limited
- Small fleets
 - Funding for NOx reductions
 - PM reductions up until February 28, 2012
- Fleets in captive NOx attainment areas
 - Funding for NOx reductions
 - Limited funding for PM reductions

Moyer General Criteria

- Modify baseline project cost approach
 - Use fixed % of project cost instead of rebuild cost

Retain current minimum project life.

Repower - 7 years

Retrofit - 5 years

Repower & Retrofit - 5 years

Moyer General Criteria

- Increase cap to \$16,000 per weighted ton
- Continue NOx + ROG + 20*PM weighting
- Capital Recover Factor is propose at 4 or 5%
 - ARB waiting on 4th quarter information to set
- Calculations will use Hours of Operation
- Fuel usage allowed case-by-case
 - Two years of historical fuel usage documentation specific to the funded equipment

Repowers

- Minimum Tier 3, Tier 2 on a case-by-case basis
- Tier 1 repowers ineligible for funding, except:
 - Fleets meeting the definition of the Off-Road Regulation: 2,500 hp or less
 - Fleets defined as captive attainment area fleets in the Off-Road Regulation
 - Equipment not subject to the Off-Road Regulation
 - Equipment specifically exempted from the of the Off-Road Regulation

Repowers

- Incremental Cost
 - Tier 3 repower 85 percent
 - Tier 2 repower 80 percent
 - Tier 1 repower 75 percent
- Projects also subject to a \$16,000 per weighted ton of emissions reduced cost-effectiveness
- 7 year life

Repowers

- Highest available ARB retrofit required
 - Eligible for up to 100% of cost subject to cost-effectiveness limit
- Replaced engines must be scrapped

Retrofit

- Highest level ARB verified retrofit available is required on all projects
 - PM + NO_x
- Retrofit filters and maintenance eligible for 100 percent of funding up to the cost-effectiveness limit
- 5 year life

Proposed Program Schedule & Funding

Program Announcement Release

- February 1, 2008

Closing Date

- May 2, 2008 1:00 p.m.

Proposed Off-Road Funding

- Moyer \$ 1 Million at \$5,000/ton
- SOON \$30 Million at \$5,000/ton

ARB's Proposed Schedule

Final Draft Guidelines release

— Feb 8, 2008

Board hearing

— March 27, 2008

For more information, visit ARB's website:

www.arb.ca.gov/msprog/moyer/moyer.htm

Contact Information

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