

**Carl Moyer Program
Emergency Equipment-
Fire Apparatus Chapter
Workgroup Meeting
July 28, 2010**

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY



Air Resources Board

Presentation Outline

- ◆ Carl Moyer Background
- ◆ Project Criteria
- ◆ Replacement Options
- ◆ Potential Funding Tables
- ◆ Reuse Option

Carl Moyer Program Background

- ◆ Surplus Emission Reductions
- ◆ Districts Implement Programs

Project Criteria

- ◆ Maximum Eligible Funding - 80%
- ◆ 14 Year Project Life
- ◆ Eligible Replacement Costs
 - cab and chassis
 - current MY engine

Documentation

- ◆ Usage
- ◆ Weight Class
- ◆ Exemption

Funding Tables

**MHD 2010 and 2007 Replacement
Funding per Gallon**

Baseline Engine	2010 standard \$ per gallon	2007 standard \$ per gallon
Pre-1984	\$67.85	\$63.01
1984 – 1986	\$63.66	\$58.81
1987 – 1990	\$50.06	\$45.21
1991 – 1993	\$35.87	\$31.02
1994 – 1997	\$29.61	\$24.77
1998 – 2002	\$24.60	\$19.75
2003	\$18.43	\$13.58
2004 – 2006	\$17.86	\$13.01

**HHD 2010 and 2007 Replacement
Funding per Gallon**

Baseline Engine	2010 standard \$ per gallon	2007 standard \$ per gallon
Pre-1987	\$55.58	\$49.06
1987 - 1989	\$57.52	\$51.00
1990	\$59.51	\$52.99
1991 - 1993	\$35.60	\$29.08
1994 - 1997	\$31.27	\$24.75
1998 - 2002	\$31.87	\$24.75
2003 - 2006	\$19.86	\$25.35

**Default Assumptions:*

Maximum funding is up to 80% of the eligible replacement cost

14 year project life

100% operation in California

Maximum cost effectiveness = \$16,400/ton

Capital Recovery Factor (CRF) = 3%

Reuse Option

- ◆ Reuse program allows fire departments to give their fire trucks to another fire department that in turn destroys an older truck.
- ◆ 5 year difference between old trucks

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