

Grapple Trucks

Government Replacement or Repower Projects

| | | | Model Year and Emission Standard of Old Vehicle ³ | | | | | |
|--------------------------------|--------------------------------|---|--|-----------|--------------------------|--------------------------|--------------------------|--------------------------|
| Old Ignition Type ¹ | New Ignition Type ¹ | New Emission Rate ² (g/bhp-hr) | <2002-2003 | 2004-2007 | 2007-2009 2.0 (g/bhp-hr) | 2007-2009 1.5 (g/bhp-hr) | 2007-2009 1.0 (g/bhp-hr) | 2007-2009 0.5 (g/bhp-hr) |
| CI | CI | 0.2 | \$134,842 | \$77,176 | \$63,881 | \$46,133 | \$28,385 | \$10,636 |
| | CI | 0.02 | \$134,842 | \$79,807 | \$67,081 | \$50,134 | \$33,216 | \$16,268 |

Non-Government Replacement Projects

| | | | Model Year and Emission Standard of Old Vehicle ³ | | | | | |
|--------------------------------|--------------------------------|---|--|-----------|--------------------------|--------------------------|--------------------------|--------------------------|
| Old Ignition Type ¹ | New Ignition Type ¹ | New Emission Rate ² (g/bhp-hr) | <2002-2003 | 2004-2007 | 2007-2009 2.0 (g/bhp-hr) | 2007-2009 1.5 (g/bhp-hr) | 2007-2009 1.0 (g/bhp-hr) | 2007-2009 0.5 (g/bhp-hr) |
| CI | CI | 0.2 | \$42,138 | \$24,118 | \$19,963 | \$14,416 | \$8,870 | \$3,324 |
| | CI | 0.02 | \$42,138 | \$24,940 | \$20,963 | \$15,667 | \$10,380 | \$5,084 |

Non-Government Repower Projects

| | | | Model Year and Emission Standard of Old Vehicle ³ | | | | | |
|--------------------------------|--------------------------------|---|--|-----------|--------------------------|--------------------------|--------------------------|--------------------------|
| Old Ignition Type ¹ | New Ignition Type ¹ | New Emission Rate ² (g/bhp-hr) | <2002-2003 | 2004-2007 | 2007-2009 2.0 (g/bhp-hr) | 2007-2009 1.5 (g/bhp-hr) | 2007-2009 1.0 (g/bhp-hr) | 2007-2009 0.5 (g/bhp-hr) |
| CI | CI | 0.2 | \$67,421 | \$38,588 | \$31,940 | \$23,066 | \$14,192 | \$5,318 |
| | CI | 0.02 | \$67,421 | \$39,903 | \$33,541 | \$25,067 | \$16,608 | \$8,134 |

¹Ignition Types are as follows: CI = Compression-Ignition (e.g., Diesel), SI = Spark-Ignition (e.g., LPG, CNG), Zero = Zero emission vehicle (e.g., electric).

²The 0.2 g/bhp-hr NO_x emission rate is the current EPA federal standard for new on-road heavy-duty vehicles. The 0.02 g/bhp-hr NO_x emission rate is an optional California low-NO_x standard.

³The 2010 EPA NO_x emission rate standard for heavy-duty, compression ignition, on-road vehicles was phased-in from 2007 thru 2010. Engines produced during these years may have a range of NO_x emission rates. If the EPA certified emission rate for an engine manufactured between 2007 and 2009 falls between one of the NO_x emission rate values listed on the table, round up to the nearest listed value for the purposes of determining an eligible grant amount.