

Transport Refrigeration Units

Carl Moyer Program Implementation Charts

This document is for informational purposes only.
ARB/Districts will determine project eligibility.

The information provided below is for informational purposes only. ARB will make eligibility determinations for multi-district projects and local air districts will make eligibility determinations for those projects funded with Carl Moyer funds allocated to their district. Eligibility determinations will be based on applicable Guidelines, statute and advisories, which are available at <http://www.arb.ca.gov/msprog/moyer/moyer.htm>.

For potential projects a chart is provided to help ARB and Districts ensure that the reductions are at least three years early to the compliance deadline as required by Guidelines. Instructions for reading the chart are below.

Instructions for Reading the Transport Refrigeration Units (TRU) Moyer Implementation Charts

The charts provided throughout this document are to be used as tools when determining eligibility for projects claiming surplus emission reductions from TRUs subject to ARB rules. ARB/Districts will determine project eligibility.

If there are at least three years prior to the first compliance milestone:

1. The TRU is eligible for the incremental cost assuming it meets all other TRU criteria as described in the Carl Moyer Program Guidelines and advisories
2. The project life would be based on the number of years before the first compliance deadline

Example:

If an applicant is subject to the chart below and was applying for funding eligibility would be determined as follows:

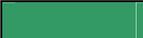
Engine MY	2008	2009	2010	2011	2012
2004	3				

- A). Projects installed and in operation by 12/31/08:
1. Districts can fund PM reductions from a retrofit project that meets the Ultra Low Emission TRU performance standards (green cells).
 2. The TRU will have a 3 year project life

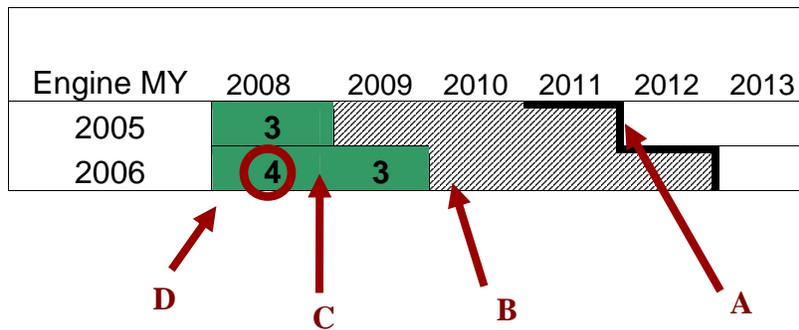
If the projects are installed and in operation any time after 1/1/09 then they are not eligible.

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Key

	=Potential Carl Moyer Funding for PM, NOx & ROG
	=3 years of Moyer Eligibility
	=Compliance Deadline
Number in Cell	= Maximum project life applicable if installed and in operation by 12/31 of that year. D = default project life as specified in criteria.

SAMPLE ELIGIBILITY CHART



- A = Compliance Deadline**
- B = 3 Years of Moyer Eligibility**
- C = Potential Funding**
- D = Project Life as of 12/31**

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TRU Projects

- *Rule impacts any person who conducts business in California who sells, offers for sale, leases, rents, purchases, owns or operates any transport Refrigeration Unit within the district of operation.*
- *Rule requires TRUs to meet specific performance standards for PM based on the model year of the TRU.*
- *Rule requires owners to maintain compliance records and make available to ARB upon request*
- *Regulatory information can be found at:
<http://www.arb.ca.gov/regact/trude03/trude03.htm>*
- *Questions regarding compliance can be directed to either Rod Hill of the ARB at (916) 327-5636 or at rhill@arb.ca.gov, or Richard Boyd of the ARB at (916) 322-8285.*

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Low Emission TRU

Regulatory Requirements

Engine Model Year	Compliance Deadline
2001 and older	December 31, 2008
2002	December 31, 2009

Potential Funding

No funding opportunity available for projects claiming NOx, ROG and PM.

Ultra Low Emission TRU

Regulatory Requirements for Ultra Low Emission TRUs

Engine Model Year	Compliance Deadline
2001 and older	December 31, 2015
2002	December 31, 2016
2003	December 31, 2010
2004	December 31, 2011
2005	December 31, 2012
2006	December 31, 2013
2007	December 31, 2014
2008	December 31, 2015
2009	December 31, 2016
2010	December 31, 2017
2011	December 31, 2018
2012	December 31, 2019
2013	December 31, 2020

Potential Funding

- No funding opportunities available for engine model years 2003.
- Funding opportunities remain through 2016 based on engine model year.
- Model year 2002, and 2001 and older TRUs funded prior to December 31, 2009, and December 31, 2008, respectively, that are not in compliance with the low emission TRU performance standard requirements are only eligible for 50% of the project cost.

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Engine MY	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
2001 & Older	D	D	5	4	3								
2002	D	D	D	5	4	3							
2003													
2004	3												
2005	4	3											
2006	5	4	3										
2007	D	5	4	3									
2008	D	D	5	4	3								
2009			D	5	4	3							
2010				D	5	4	3						
2011					D	5	4	3					
2012						D	5	4	3				
2013							D	5	4	3			

- Baseline emission values for projects are as follows:
 - Model Year 2002 and older = low emission TRU performance standard
 - All other model years = existing engine