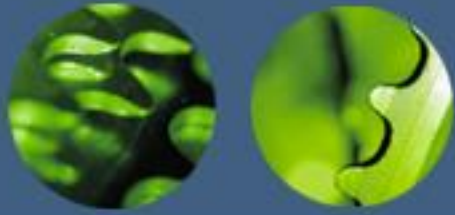




## **Proposition 1B / Goods Movement Funding in the Sacramento Region**

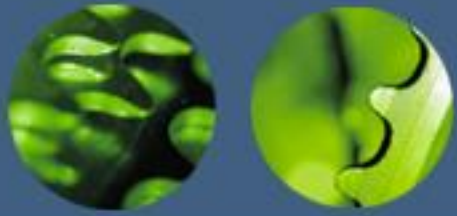
Sacramento Metropolitan Air Quality  
Management District

[www.airquality.org/mobile/goodsmovement/index.shtml](http://www.airquality.org/mobile/goodsmovement/index.shtml)



# GMERP Overview

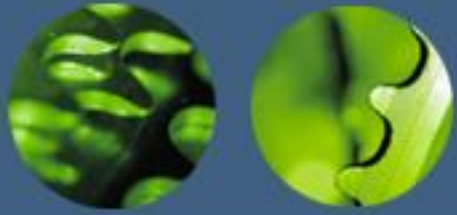
- The Goods Movement Emission Reduction Program is funded with \$1 billion from Proposition 1B Transportation Bond funding
- \$267 million approved by the California Air Resources Board in September 2015
- Sacramento allocation of over \$13 million
- Regional allocations are based on air pollution, population, and federal air quality goals
- Similar to other incentive programs



# Goods Movement

- Goods Movement is the transportation of items to an end user for a fee
- Includes sales, shipping, distribution, and delivery of goods
- Trade Corridors include:
  - Central Valley
  - San Francisco Bay Area
  - Los Angeles / Inland Empire
  - San Diego / Imperial Valley





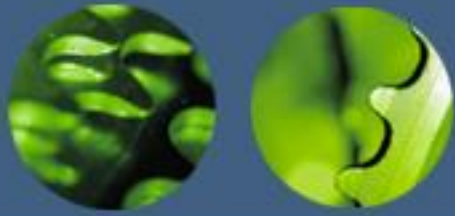
# Ineligible Fleets

## Not Goods Movement

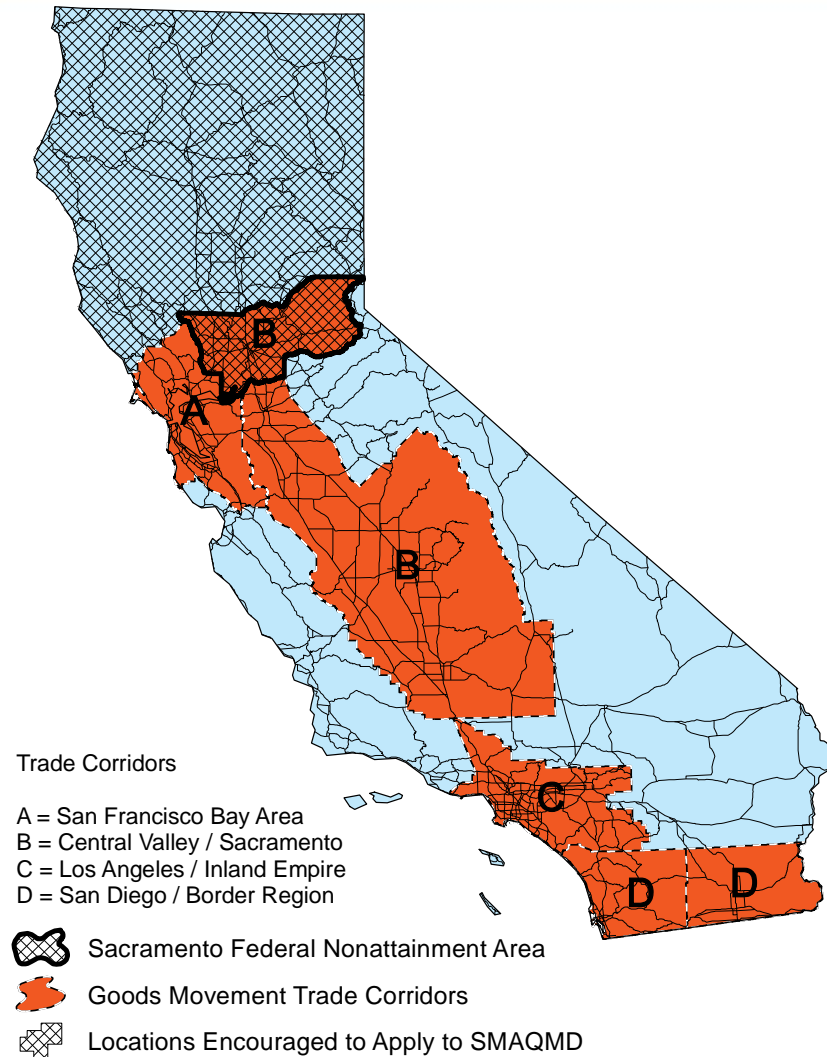
- Under 19,500 lbs. GVWR
- Public and Utility Fleets
- School Districts
- Solid Waste Collection Vehicles
- Not For Hire Vehicles
- NOx Exempt Vehicles
- Low Mileage AG Vehicles
- Low Mileage WT/CT

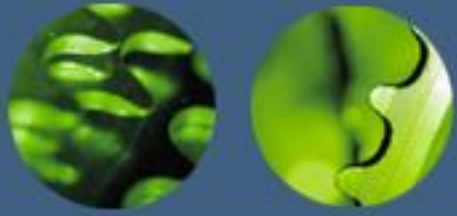
## Not Eligible Projects

- Large Fleets buying new conventional diesel trucks
- Large Fleets turning in trucks without a DPF
- Owner-operators turning in a truck without a DPF
- Any fleet in violation of the Truck & Bus Regulation or any other ARB or District violation



# GMERP Trade Corridors

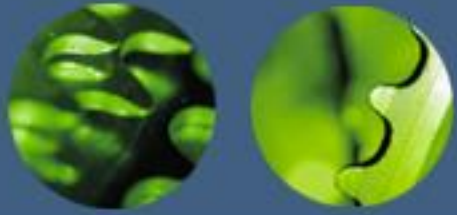




# GMERP Source Categories

- Freight Locomotives
- Heavy-Duty Diesel Trucks
- Transport Refrigeration Units

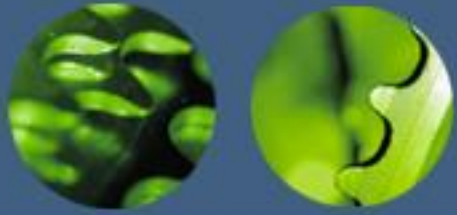




# Freight Locomotives

- \$10 million for replacement of freight locomotives with Tier 4 replacements
- Open to all railroads
- Existing locomotive must be Tier 2 or older
- Three options:
  - Switcher Locomotive (1,006 – 2,300 HP)
  - Medium Locomotive (2,301 – 4,000 HP)
  - Line-Haul Locomotive (Over 4,000 HP)

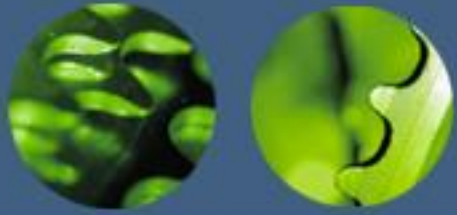




## Switcher Locomotive

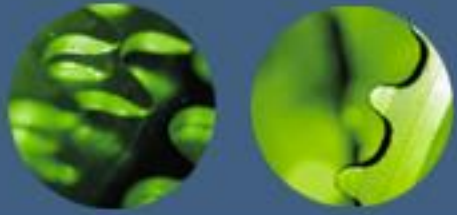
- At least 50% historic trade corridor operation within last 2 years
- Tier 4 Replacement = 1.3 g/bhp-hr NOx
- Funding Amounts:
  - 2016 Delivery = \$2,125,000 or 85%
  - 2017 Delivery = \$2,000,000 or 80%
  - 2018 Delivery = \$1,875,000 or 75%





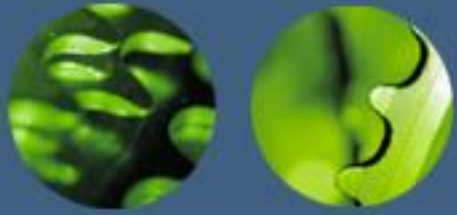
## Medium Locomotive

- At least 50% historic trade corridor operation within last 2 years
- Tier 4 Replacement = 1.3 g/bhp-hr NOx
- Funding Amounts:
  - 2016 Delivery = \$2,550,000 or 85%
  - 2017 Delivery = \$2,400,000 or 80%
  - 2018 Delivery = \$2,250,000 or 75%



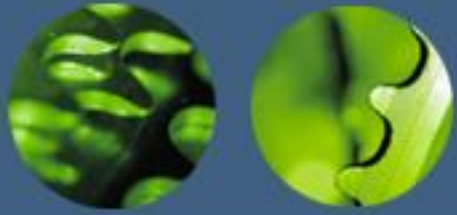
## Line-Haul Locomotive

- Four California Operation choices
- At least 50% of the chosen minimum percentage operation of historic trade corridor operation within last 2 years
- Tier 4 Replacement = 1.3 g/bhp-hr NO<sub>x</sub>



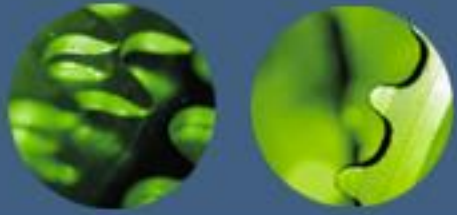
# Line-Haul Funding

- 90% to 100% California Operation
  - 2016 Delivery = \$2,550,000 or 85%
  - 2017 Delivery = \$2,400,000 or 80%
  - 2018 Delivery = \$2,250,000 or 75%
- 75% California Operation
  - 2016 Delivery = \$2,100,000 or 70%
  - 2017 Delivery = \$1,950,000 or 65%
  - 2018 Delivery = \$1,800,000 or 60%



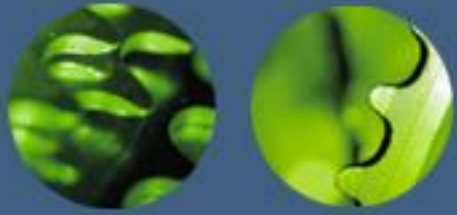
# Line-Haul Funding

- 50% California Operation
  - 2016 Delivery = \$1,350,000 or 45%
  - 2017 Delivery = \$1,200,000 or 40%
  - 2018 Delivery = \$1,050,000 or 35%
- 30% California Operation
  - 2016 Delivery = \$750,000 or 25%
  - 2017 Delivery = \$600,000 or 20%
  - 2018 Delivery = \$450,000 or 15%



## **Locomotive Application**

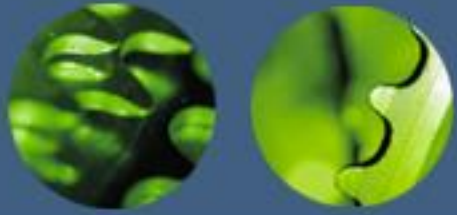
- Interested railroads need to contact us for a special application
- Successful grantees will have a contract with specific operational requirements
- Evaluation and ranking will be done according to ARB guidelines and similar to the other options



# Heavy Duty Trucks

## Old truck requirements

- Manufacturer's GVWR 19,501 lbs or greater on application; verified at pre-inspection
- At least 75% CA operation past 24 months
- Annual vehicle miles traveled (VMT) in California each year for the past 2 years:
  - At least 20,000 miles for Class 8 trucks (33,001 lbs GVWR or greater).
  - At least 20,000 miles for Class 7 trucks (26,001 - 33,000 lbs GVWR).
  - At least 10,000 miles for Class 6 trucks (19,501 - 26,000 lbs GVWR).

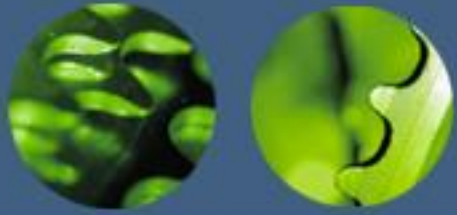


# Heavy Duty Trucks

## Old truck requirements - continued

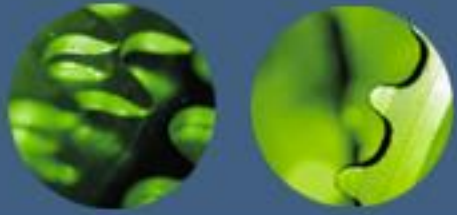
- Current and prior registration for the past 2 years.
  - California base-plated registration, OR
  - California International Registration Plan (California IRP), OR
  - Dual-plated registration (California based-plated / California IRP and Mexico only) for trucks carrying goods across the California-Mexico border, as they are required to be dual-plated.
- The past 2 years means
  - the current year (1-12 months prior to application date) and
  - prior year (13-24 months prior to application date).





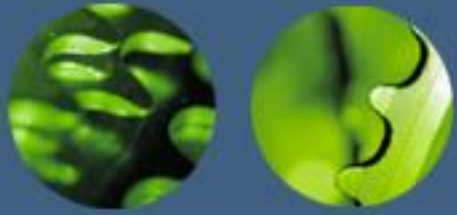
# Heavy Duty Trucks

- **Old trucks ineligible for funding**
  - **Already covered by these rules:**
    - Public and Utility Fleet Rule
    - Diesel Cargo Handling Equipment Rule
    - Solid Waste Collection Vehicle Rule
  - Not in compliance with the Statewide Truck and Bus Rule
  - Registered outside of California
  - Salvaged (0-23 months ownership)
- **NO RETROFIT FUNDING AVAILABLE**



# Am I Eligible?

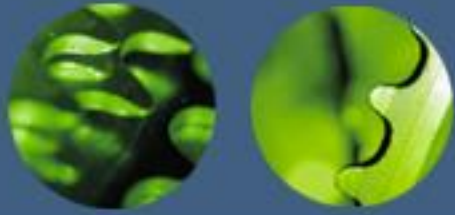
- Owner-Operator (1 truck)
  - Truck must have DPF
- Small Fleet (2-3 trucks)
  - At least one truck must have DPF
- Large Fleet (4 or more trucks)
  - Must show compliance with 100% Phase-In
- Ag or Construction Exempt only 2-for-1
  - Minimum 20,000 mi/yr combined mileage
- Drayage Trucks are eligible for funds



# Heavy Duty Trucks

## General Contract Term Requirements

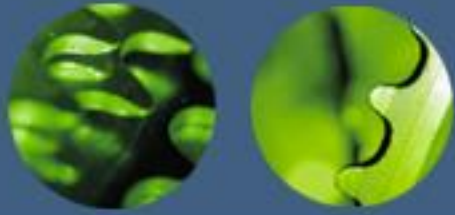
- Applies throughout contract term
- Maintain compliance with the Truck and Bus Rule
- 90% or 100% CA-only operation
- CA base-plated registration or CA IRP
- Maintain CA base-plate registration or IRP
- At least 50% operation in trade corridors
- Inspections, audits, reporting
- Maintain insurance for replacements



# Heavy Duty Trucks Replacement

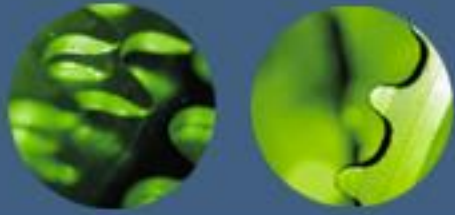
## General project requirements

- Eligible old trucks include:
  - Class 8 or Class 7 truck with a MY2009 or older engine
  - Class 6 truck with a MY1998-2009 engine
  - Only 2-3 truck fleets can replace heavier trucks without DPF
- Maximum replacement truck odometer, with verification during post-inspection:
  - Class 8 (less than 500,000 miles)
  - Class 7 (less than 250,000 miles)
- OEM engine installed in chassis with same model, year, make as originally built



# Heavy Duty Trucks Replacement

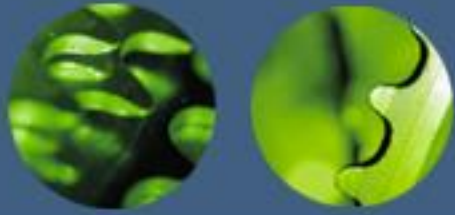
- Truck funding when replacement is not the same weight class as old truck
  - 2-for-1 funding based on weight class of new truck
    - Old (Class 6 + Class 7) for new Class 6 = Class 6 funding
    - Old (Class 6 + Class 7) for new Class 7 = Class 7 funding
    - Old (Class 6 + Class 8) for new Class 8 = Class 8 funding
    - Old (Class 7 + Class 8) for new Class 7 = Class 7 funding
    - Old (Class 7 + Class 8) for new Class 8 = Class 8 funding
  - 1-for-1 funding for HHD trucks based on Class 7 funding
    - Old Class 7 for new Class 8 = Class 7 funding
    - Old Class 8 for new Class 7 = Class 7 funding
    - Both old and new trucks must have HHD engine
- Contract of 5 years or 500,000 miles
- Minimum 1-year/100,000 mile engine warranty



# Heavy Duty Trucks Replacement

## Replacement truck engines

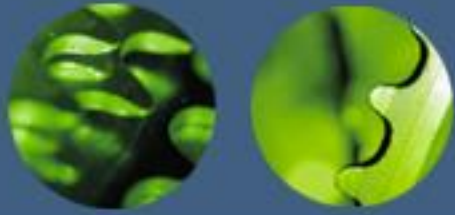
- Certified by ARB Executive Order
- 2010 emissions
  - 0.20 g/bhp-hr or less NO<sub>x</sub> (FEL and CERT values)
  - 0.01 g/bhp-hr or less PM (CERT value).
- Class 8 trucks
  - HHD for diesel engines
  - HDO for applicable alternative fuel vehicles.
- Class 7 trucks
  - MHD or HHD for diesel engines
  - HDO for applicable alternative fuel vehicles.



# Heavy Duty Trucks Replacement

- Class 6 trucks
  - MHD for diesel engines
  - HDO for applicable alternative fuel vehicles.
- Class 6-8 trucks
  - All heavy duty hybrid or electric vehicles shall follow ARB's Heavy Duty Hybrid Electric Vehicle Certification Procedure
- Applicants can use HVIP and NGVIP funding towards the purchase of alternative fuel vehicles
- Applicants replacing a diesel truck with a zero emission truck (electric or hydrogen) receive priority funding





# Alternative Fuels

- Large Fleets can only receive funding for Alternative Fuels
- Grant funding for infrastructure
- Potential natural gas infrastructure
- Up to \$95,000 extra from HVIP
- Up to \$25,000 extra from NGVIP
- Alternative Fuels
  - Battery Electric
  - Hydrogen Fuel Cell
  - Plug-In Hybrid
  - Low NOx Natural Gas
  - Conventional Hybrid Vehicle
  - Standard Natural Gas

# ARB Executive Order

California Environmental Protection Agency  
Air Resources Board

DETROIT DIESEL CORPORATION

EXECUTIVE ORDER A-290-0145  
New On-Road Heavy-Duty Engines  
Page 1 of 2

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003:

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZE (L)	FUEL TYPE <sup>1</sup>	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS	ECS & SPECIAL FEATURES <sup>3</sup>	DIAGNOSTIC <sup>5</sup>
2013	DDXXH15.6GED	15.6	Diesel	Diesel	HFDD	DDI, TC, CAC, ECM, EGR, OC, ETCX, SCR-UI, AMOX	OBD (S)
PRIMARY ENGINE'S IDLE EMISSIONS CONTROL <sup>2</sup>		ADDITIONAL IDLE EMISSIONS CONTROL <sup>5</sup>					
30g		N/A					
ENGINE (L)		ENGINE MODELS / CODES (rated power, in hp)					
15.6		See attachment for engine models and ratings					

<sup>1</sup>Not applicable. GVWR gross vehicle weight rating. 13 CCR 1956.8(a)(6)(A)(i). California Code of Regulations, Section 1956.8(a)(6)(A)(i). Code of Federal Regulations, Section 86.404-1 (Tier 1), 86.404-2 (Tier 2), 86.404-3 (Tier 3).  
<sup>2</sup>CGILING=compressed liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; M85=15% ethanol fuel; BF=bi-fuel; DF=dual fuel; FF=flexible fuel.  
<sup>3</sup>LWH=low-horsepower; HWH=high-horsepower; heavy-duty diesel; LHD=low-duty diesel; HHD=heavy-duty diesel.  
<sup>4</sup>ECS=emission control system; TWC=three-way oxidizing catalyst; NHC=NOx absorption catalyst; SCR=SCR-Nitrogen selective catalytic reduction - urea / ammonia; WU (urea) water up catalyst; DPF=diesel particulate filter; PTOX=oxidation trap or soot; HDS=hydrocarbon sensor; NARS=NARS=NOx sensor (a.k.a. universal or linear oxygen sensor); TBM=triple body fuel injection; SFM=split fuel injection; DFI=dual fuel injection; COI=common rail injection; COAN=common rail; IDI=indirect injection; TDCI=Turbo Diesel; Super Charge; CAD=Cable Air Drive; EGR=EGR=Exhaust gas recirculation / cooled EGR; PAIR/AIR=primary/secondary air injection; SPL=split flow; ECM=engine electronic control module; EGR=engine modification; EGR=engine modification; AMOX=ammonia oxidation catalyst.  
<sup>5</sup>ES=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(i)); 30g=30 gmi NOx (per 13 CCR 1956.8(a)(6)(C)); APB=internal combustion auxiliary power system; ALT=alternative method (per 13 CCR 1956.8(a)(6)(j)); Emission test (per 13 CCR 1956.8(a)(6)(3)) or for ONGLNG fuel systems; N/A=not applicable (e.g. Ote engine and vehicles).  
 Emission control systems (13 CCR 1956.8(a)(6)(j)); DDDI=DDI with dual injection; partial with fuel-on-board diagnosis.

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [ ] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.)

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HC+CO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	0.20	0.20	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	*	*	*	*	*	*	*	*	*	*
CERT	0.000	0.000	0.07	0.02	*	*	0.1	0.02	0.004	0.000	*	*
NTE	0.21		0.30				19.4		0.02			

<sup>1</sup>bhp=brake horsepower-hour; FTP=Federal Test Procedure; EURO=European Steady-State Cycle, including RMCSET-tram mode cycle and supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC=non-methane hydrocarbon; NOx=oxide of nitrogen; CO=carbon monoxide; PM=particulate matter; HC=hydrocarbon.

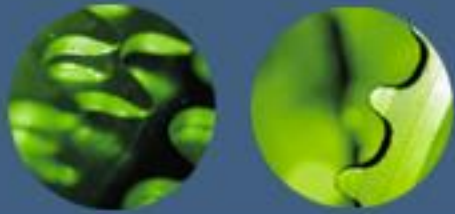
BE IT FURTHER RESOLVED: The listed engine models are conditionally certified in accordance with 13 CCR Section 1971.1(k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the heavy-duty on-board diagnostic (OBD) system of the listed engine models has been determined to have eighteen deficiencies.

The listed engine models are approved subject to the manufacturer paying a fine of \$500 per engine for the third through eighteenth deficiencies in the listed engine family that is produced and delivered for sale in California. On a quarterly basis, the manufacturer shall submit to the Air Resources Board reports of the number of engines produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2013 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all engines covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$5000 per engine pursuant to HSC Section 43154.

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) (30 g/hr NOx) and section 35 B 4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 12, 2002, as last amended March 22, 2012, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1956 (emission control labels), 13 CCR 1971.1 (engine manufacturer diagnostic system), and 13 CCR 2035 et seq. (emission control warranty).

- Engine model year
- Engine family number
- Fuel
- Intended service class
- Certification of emission rates for engines used in CA
- Eligibility for funding programs



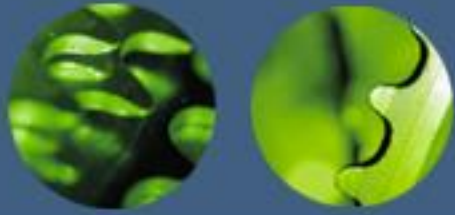
# ARB Executive Order

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE <sup>1</sup>	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS <sup>2</sup>	ECS & SPECIAL FEATURES <sup>3</sup>	DIAGNOSTIC <sup>6</sup>
			2013	DDDXH15.6GED	15.6	Diesel	Diesel
PRIMARY ENGINE'S IDLE EMISSIONS CONTROL <sup>5</sup>		ADDITIONAL IDLE EMISSIONS CONTROL <sup>5</sup>					
30g		N/A					
ENGINE (L)		ENGINE MODELS / CODES (rated power, in hp)					
15.6		See attachment for engine models and ratings					

\* Not applicable: GVWR=gross vehicle weight rating; 13.CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86 abc=Title 40, Code of Federal Regulations, Section 86 abc.

Model Year    Engine Family    Fuel Type    Service Class

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE <sup>1</sup>	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS <sup>2</sup>	ECS & SPECIAL FEATURES <sup>3</sup>	DIAGNOSTIC <sup>6</sup>
			2010	ACEXH0505CAC	8.3	Diesel	Diesel
PRIMARY ENGINE'S IDLE EMISSIONS CONTROL <sup>5</sup>		ADDITIONAL IDLE EMISSIONS CONTROL <sup>5</sup>					
30g		N/A					
ENGINE (L)		ENGINE MODELS / CODES (rated power, in hp)					
8.3		See attachment for engine models and ratings					



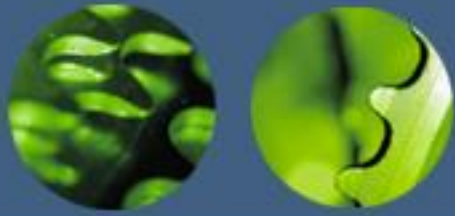
# NOx Emissions

The NOx CERT value is 0.07 g/bhp-hr and is **LESS** than the STD value of 0.20. This engine is in the 0.20 g/bhp-hr category.

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	0.20	0.20	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	*	*	*	*	*	*	*	*	*	*
CERT	0.000	0.000	0.07	0.02	*	*	0.1	0.02	0.004	0.000	*	*
NTE	0.21		0.30		*		19.4		0.02		*	

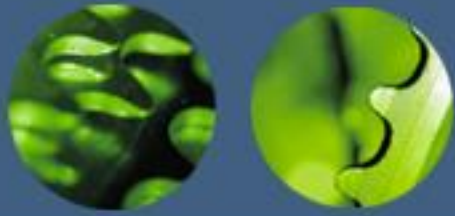
The NOx FEL value is 0.31 g/bhp-hr and is **GREATER** than the CERT value of 0.18. This engine NOT eligible for funding.

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	0.31	0.31	*	*	*	*	*	*	*	*
CERT	0.001	0.000	0.18	0.15	*	*	0.0	0.0	0.001	0.000	*	*
NTE	0.21		0.46		*		19.4		0.02		*	



# Truck Replacement (All Fleets)

Truck Class	Old Engine MY	Technology	Max Funding
Class 7 & 8	2009 or older	Zero Emission	\$200,000
		Hybrid / ZEV	\$150,000
		Ultra Low NOx	\$100,000
		Standard Hybrid	\$80,000
		Natural Gas	\$65,000
Class 6	1998 – 2009	Zero Emission	\$100,000
		Hybrid / ZEV	\$65,000
		Ultra Low NOx	\$50,000
		Standard Hybrid	\$45,000
		Natural Gas	\$40,000

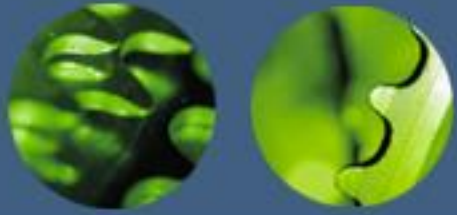


# Truck Replacement (Small Fleets Only)

Truck Class	Old Engine MY	Technology	Max Funding
Class 8	2009 or older	New Diesel	\$60,000
	2006 or older	Used Diesel	\$40,000
Class 7	2009 or older	New Diesel	\$45,000
	2006 or older	Used Diesel	\$35,000
Class 6	1998 – 2009	New Diesel	\$25,000

Only ARB registered Small Fleets with 1-3 heavy-duty diesel vehicles are eligible to receive funding for conventional diesel replacement vehicles. At least one vehicle in their fleet must be equipped with a DPF or 2007-compliant.

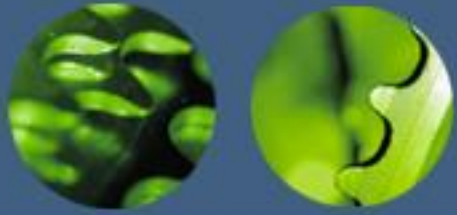
New Diesel = MY 2015 engine or newer with no previous owners  
Used Diesel = MY 2010 engine or newer with a previous owner



## Potential Scenarios

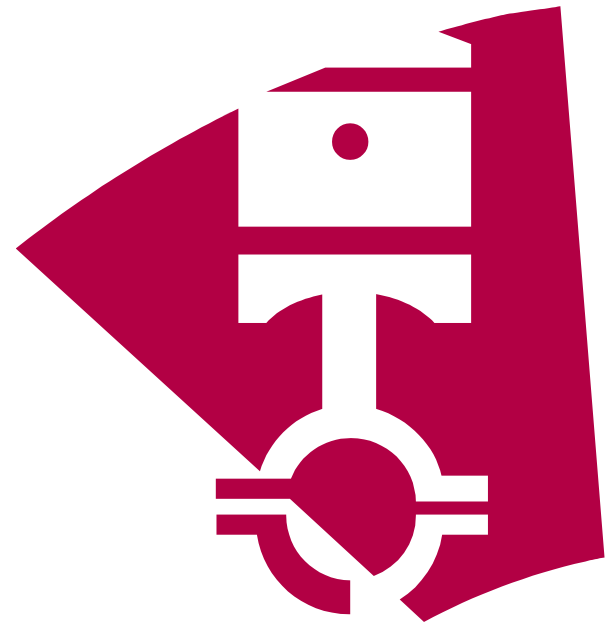
- Small Fleet Replacing 2<sup>nd</sup> or 3<sup>rd</sup> Class 8 Truck (1999 engine without DPF)
  - \$60,000 for New Diesel Truck
- Large Fleet Replacing Retrofitted Diesel Class 7 Truck with Standard Natural Gas
  - \$65,000 1B + \$20,000 NGVIP = \$85,000
- Large Fleet Replacing 2007-compliant Diesel Class 6 Delivery Van with Electric
  - \$100,000 1B + \$90,000 HVIP = \$190,000

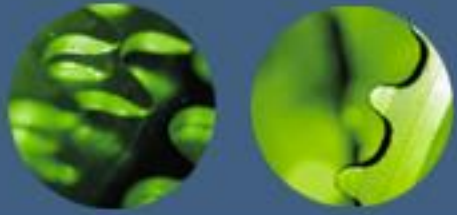




# Engine Repowers

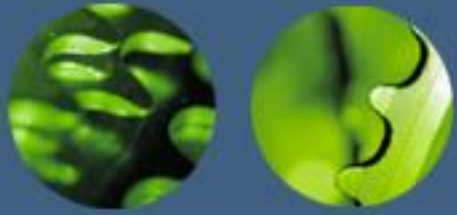
- Applications for engine repowers are accepted
- Must use new 2015 engine with DEF
- Subject to engine manufacturer approval
- Please contact staff for more details after successful engineering evaluation by OEM
- Up to \$20,000 per truck





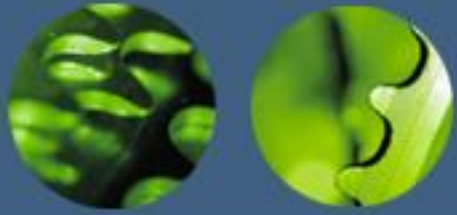
## TRU Funding

- Applications accepted for zero-emission transport refrigeration units
  - Replacement with ZE-TRU
  - Replacement with Cryogenic TRU
  - Electric TRU Infrastructure
  - Cryogenic TRU Infrastructure



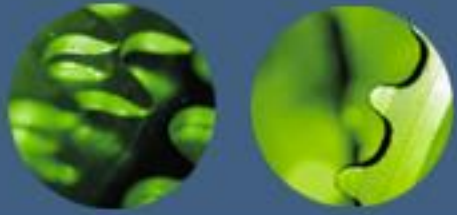
# TRU Replacement

- Replacing a diesel TRU with a zero-emission electric or cryogenic TRU
- Replacement TRU cannot have a combustion source at all
- Electric Funding = lower of 80% or \$50,000
- Cryogenic Funding = lower of 80% or \$100,000



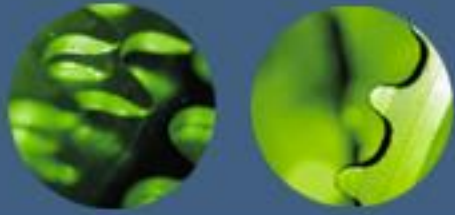
## TRU Infrastructure

- Installing new infrastructure to support deployment of zero-emission TRU
- Minimum of 10 plugs at 460V 3-Phase electric or any size cryogenic
- Electric Funding = lower of 50% or \$3,000 per plug with a minimum of 10 plugs
- Cryogenic Funding = lower of 50% or \$100,000 for total system



## Other Options

- Interested applicants should contact District staff about the following options:
  - Three-Way Truck Transactions
  - Truck Stop Electrification Infrastructure
  - Electric Charging Stations or Hydrogen Fueling Units
  - Locomotive Emissions Capture and Control System



# Application Ranking

## Emission Reduction (ER) Score

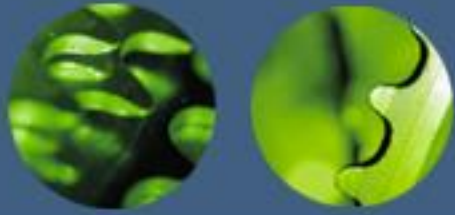
- Average annual miles for past 24 months
- (Old engine emissions) – (New engine emissions),  
NOx + (PM x 20)
- Multiplied by contract term
- Sorted from highest to lowest and scored

## Cost Effectiveness (CE) Score

- Emissions reduction (pounds) divided by requested funding (lb/\$)
- Sorted from highest to lowest and scored

## Ranking Score = ER Score + CE Score

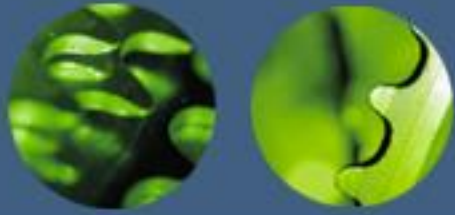
- Sorted from highest to lowest
- Highest ranked projects funded first up to available funds
- Rejected applicants will be informed of their ranking



## Current Application Solicitation Period

- Year 5 Solicitation Period
  - **September 24, 2015 – November 20, 2015**
- Available funding: \$13.1 million awarded to SMAQMD (~\$3M for trucks)
- Solicitations for Heavy-Duty Diesel Trucks, Locomotives, and Transport Refrigeration Units
- Applications will be accepted only during the Solicitation Period and will be date stamped upon receipt
- Applications will be ranked for Emission Reductions and Cost Effectiveness





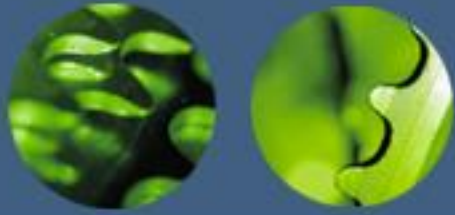
# Application Timeline

## Approval Process

- Application Period
  - 9/24/15 – 11/20/15
- Evaluation Period
  - Winter 2015 / 2016
- Pre-Inspections
  - Winter 2015 / 2016
- Ranking of Projects
  - Late Winter / Spring 2016
- Contracting & Ordering
  - Spring 2016

## Purchasing Process

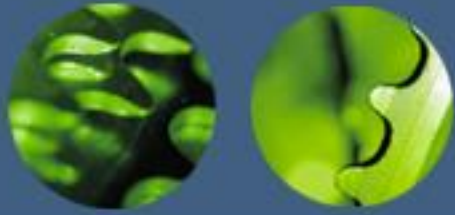
- Vehicles cannot be ordered before ranking
- Vehicles cannot be purchased before contracting
- Plan on ordering vehicles in Spring 2016 with deliveries in Summer – Fall 2016
- Trucks must be delivered by 12/31/2016
- Applicants must be compliant with ARB at delivery



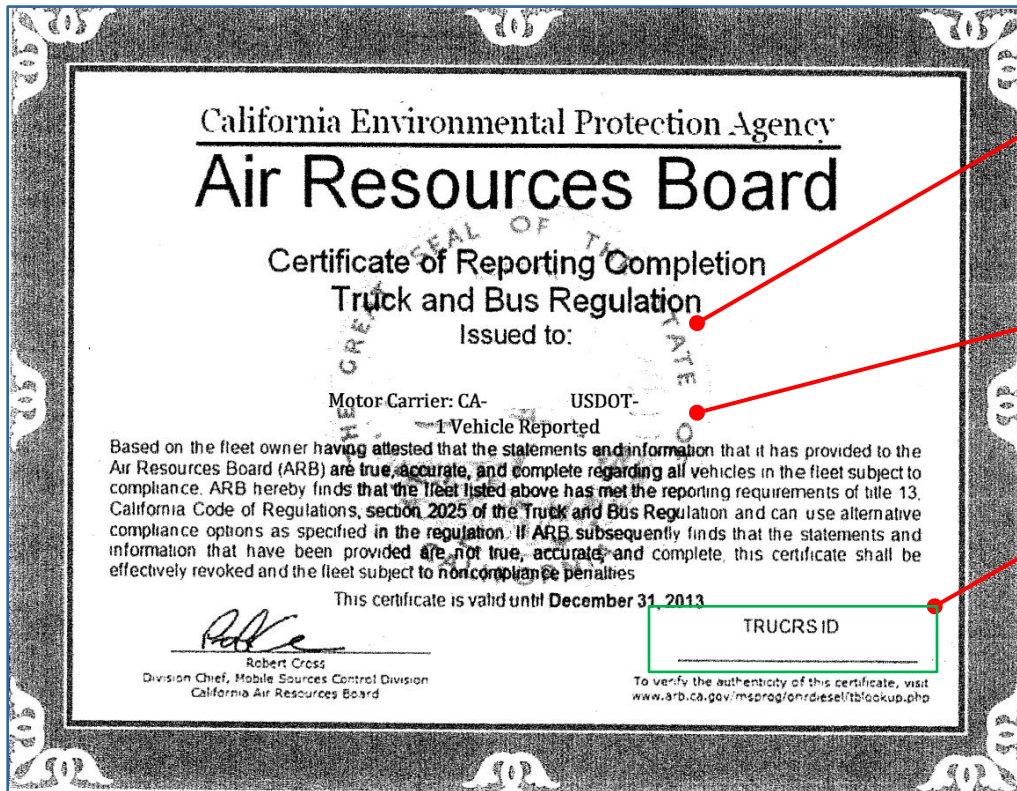
# Application Docs



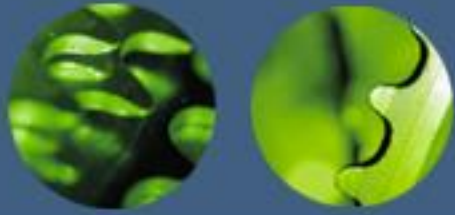
- Updated application
- Truck Replacement
  - APP + A2 + attachments
- Small Fleet Trucks
  - APP + A3 + attachments
- Sacramento County Payee Data Record (all applicants)
- Contact staff for other project applications



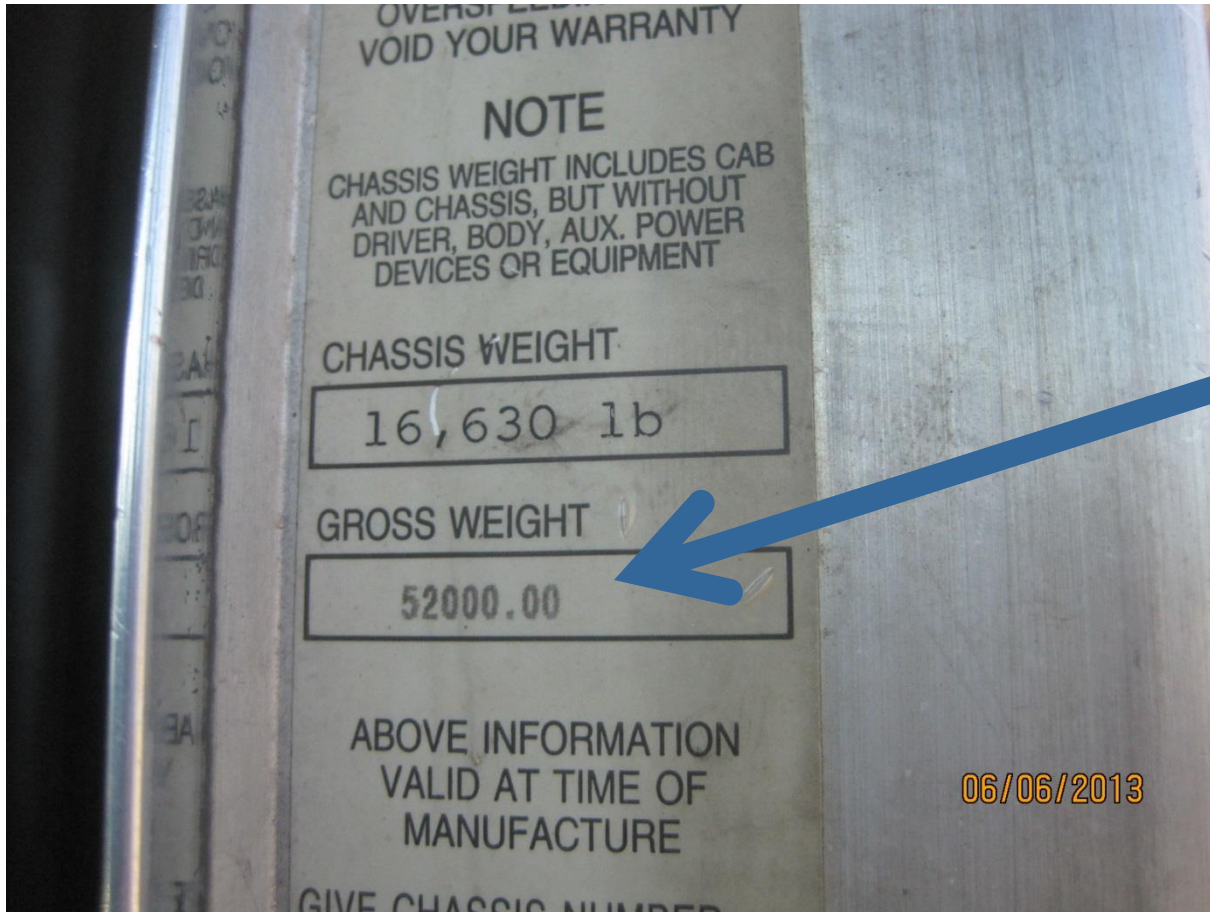
# ARB Compliance



- Issued-to name  
– Same as on application
- Reported Fleet Size
- TRUCRS ID

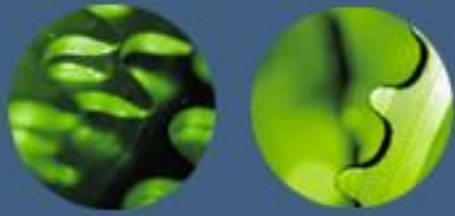


# GVWR Example



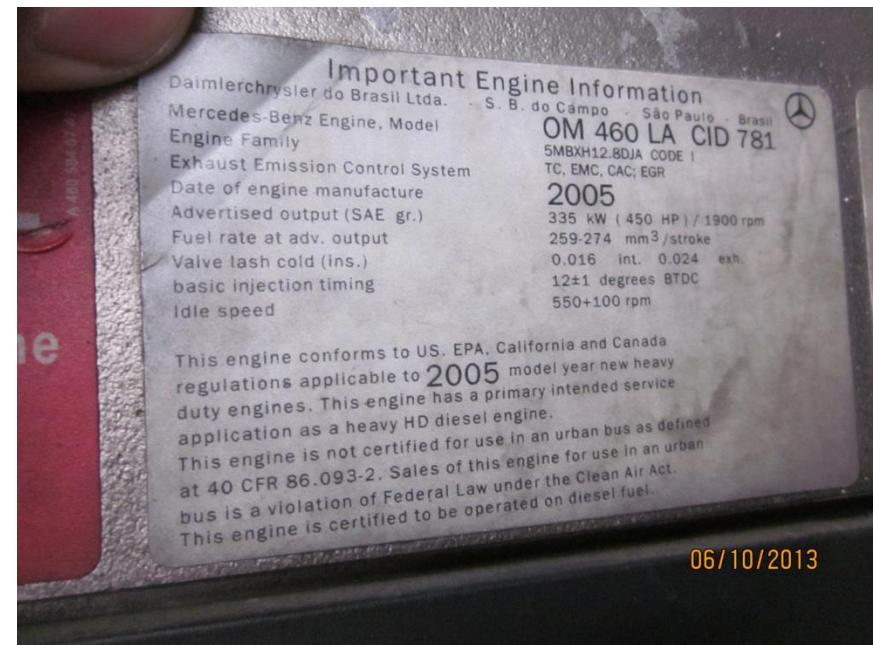
Correct GVWR

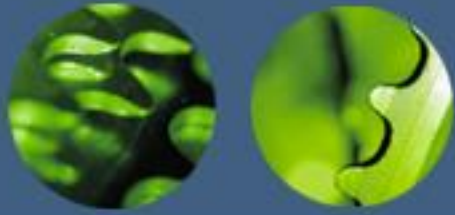




# ECL Requirement

- Applicants must prove the engine model year at Pre-Inspection
- Engines with Emission Control Label (ECL) meet this requirement
- If an ECL is not available or cannot be installed, the applicant **MUST** have an exemption letter in the truck at the time of Pre-Inspection





# Clean Title

STATE OF CALIFORNIA  
CERTIFICATE OF TITLE

52011040625 VEHICLE HISTORY

COMMERCIAL

VEHICLE ID NUMBER

VEHICLE MAKE MODEL YEAR 1998 FRHT

PLATE NUMBER

VEHICLE TYPE MODEL BODY TYPE MODEL AX UNLADEN WEIGHT FUEL TRANSFER DATE FEES PAID REGISTRATION EXPIRATION DATE

UT 3 19860 D 03/24/11 \$15 02/28/2012

VEHICLE CLASS YEAR MO EQUIPMT/TRUST NUMBER ISSUE DATE

LR 2005 SR 04/16/11

MOTORCYCLE ENGINE NUMBER ODOMETER DATE ODOMETER READING

02/01/2006

REGISTERED OWNER(S)

I certify (or declare) under penalty of perjury under the laws of the State of California that THE SIGNATURE(S) BELOW RELEASES INTEREST IN THE VEHICLE.

1a. DATE X SIGNATURE OF REGISTERED OWNER

1b. DATE X SIGNATURE OF REGISTERED OWNER

Federal and State law requires that you state the mileage upon transfer of ownership. Failure to complete or providing a false statement may result in fines and/or imprisonment.

The odometer now reads (no tenths), miles and to the best of my knowledge reflects the actual mileage unless one of the following statements is checked.

WARNING  Odometer reading is not the actual mileage.  Mileage exceeds the odometer mechanical limits.

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

DATE TRANSFEROR/BELLER SIGNATURE(S) DATE TRANSFEREE/BUYER SIGNATURE(S)

PRINTED NAME OF SELLER OR AGENT SIGNING FOR A COMPANY PRINTED NAME OF BUYER OR AGENT SIGNING FOR A COMPANY

IMPORTANT READ CAREFULLY

Any change of Lienholder (holder of security interest) must be reported to the Department of Motor Vehicles within 10 days.

LIENHOLDER(S)

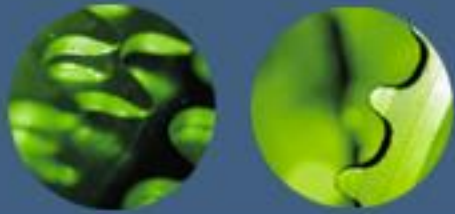
2. X Signature releases interest in vehicle. (Company names must be countersigned)  
Release Date

CA130305919

026876 REG. 17.30RS (REV.7/07)

KEEP IN A SAFE PLACE - VOID IF ALTERED

- Registered owner(s) listed must be the same as on the application, or under common ownership which is required to be disclosed.
- No interest-release signatures
- No lienholders listed
- No lienholder signatures



# DMV Registration



A Public Service Agency

CALIFORNIA DEPARTMENT OF MOTOR VEHICLES  
 \*\*\*CUSTOMER RECEIPT COPY\*\*\*  
 REGISTRATION  
 INFORMATION REQUEST  
 04/25/12

R62999336814C9C52095

DATE: 04/25/12 TIME: 11:41  
 INSURANCE INFORMATION UNKNOWN  
 REG VALID FROM: 00/00/00 TO 11/30/11  
 LIC#: YRMD:88 MAKE:PTRB BTM :DS VIN : CITY:  
 R/O :  
 C.C.:39 ZIP#:  
 SOLD:00/00/88 RCID:04/27/11 OCID:12/30/99 LOCD:9  
 TYPE:31 POWR:D AXLE:2 WGT:12960 VEH :32 BODY:G CLAS:PW \*-YR:89  
 EQP#:55  
 GVW:N CERT IND:C OPERATING WGT:8000 WGT :ND:C  
 CERTIFICATION DATE:07202008  
 REC STATUS:  
 04/27/11 PARTIAL YEAR  
 10/08/2008 RENEWAL NOTICE EXTENDED  
 04/27/11 FHVUT PROOF VERIFIED CALIFORNIA  
 12/20/99 PREV LIC R919878



CLEARANCE INFORMATION RECORDS:

OFFICE	WORK DATE	TECH/ID	SEQ #	VALUE	FICHE DATE	TTC
622	12/21/05	03	0013	02196.00	00/00/00	H00
622	12/05/06	23	0075	02198.00	00/00/00	H00
622	12/04/06	23	0099	02198.00	PRIOR SUSPENSE	H00
622	12/21/07	24	0013	00017.00	12/25/07	H00
681	03/11/08	05	0046	01875.00	03/18/08	H00
681	12/17/08	15	0046	00017.00	12/23/08	H05
681	05/13/09	A6	0032	01099.00	05/16/09	H00
681	05/12/10	16	0019	01261.00	05/21/10	H00
681	04/27/11	41	0040	01424.00	05/03/11	H00

\*\*\* END \*\*\*

## DMV Registration Information Request Form

- Last 8 vehicle registration transactions.

## Type Transaction Codes (TTC)

- F00=Registered Owner Transfer
- F10=Legal Owner Transfer
- H00 = Stickers/Plates/Reg Cards/ Renewal
- H05=Renewal /Reg Card Expedite

# Vehicle Usage Examples

COMPANY \_\_\_\_\_ OR LESSOR/CONTRACTOR \_\_\_\_\_ UNIT NO. 9 LICENSE NO. 4P 67 DATE 1-2-09 REPORT NO. \_\_\_\_\_

VEHICLE MAKE Kenworth MODEL \_\_\_\_\_ YEAR 99 SERIAL NO. 1KK ODOMETER READING 748375

Indicate completion of the report: Item is ok or not applicable (✓); work is completed, done (✓); type of work completed notes: (A) Adjuster, (B) Brake, (C) Drive, (D) Steering, (E) Suspension, (F) Fuel, (G) Electrical, (H) Exhaust, (I) Other. See Remarks.

OK	DOE	NOTES	TRUCK AND/OR TRACTOR	OK	DOE	NOTES	ITEM	TRAILER(S)
			<b>INTERIOR AND EXTERIOR</b>				36. Lights-stop, turn-reflectors	
			1. Fire extinguisher and reflectors-secured-marked				39. Air leaks-brake system	
			2. Horn-defrosters, gauges and speedometer				40. Air leaks-dump system	
			3. Mirrors and supports				41. Cracks in body and sub frame	
			4. Windshield wipers-window cracks, condition				42. Brakes-adjustment-drums-new/ream over	
			5. Check all lights-turn signals-reflectors, mud flaps				43. Springs-U bolts-torque arm	
			6. Check electrical wiring-condition and protection				44. Drawbar-hitch and safety cable-check strand wear	
			7. Check batteries-water terminals and cable				45. Fifth wheel on pull trailer	
			8. Warning devices-air, oil and temperature, vacuum				46. Tires wheel-nuts and studs	
			<b>ENGINE AND ELECTRIC</b>				47. Fifth wheel on pin wear-safety lock	
			9. Radiator and water hoses-condition-leaks				48. Emergency relay valves, tank mounting	
			10. Belt-compressor(s), fan and water pump				49. Tamps	
			11. Air lines-leaks, condition and protection				50. Electrical connections-lead wire	
			12. Fuel tanks-lines-pump, condition and protection				51. Air lines-between trailers, gladhands, rubbers	
			13. Manifold and flange gaskets-muffler and condition				52. Mud flaps, fenders	
			14. Engine mounts,oil and fuel leaks				<b>ADDITIONAL ITEMS</b>	
			15. Clutch adjustment and free play					
			16. Throttle and linkage, air filter					
			17. Generator/alternator, starter, brushes and wiring					
			<b>BRAKES</b>				<b>PRODUCTS / PARTS USED</b>	
			18. Tractor protection valve-breakaway test				Item No. LUBRICANTS Amt. Cost	
			19. Brakes-lining, drums, and adjustment-near cam over, pedal ht-hydr.				Crankcase Oil _____ \$	
			20. Hoses, and tubing condition-protection, hydr., brake reservoir level				Trans. Lube _____ \$	
			21. Air leaks and 1-minute brake application test, vacuum loss				Gear Lube _____ \$	
			22. Air governor adjustment-minimum 65-maximum 130				Chassis Lube _____ \$	
			23. Identify number 1 air tank-drain-test check valve				<b>FLUIDS</b>	
			24. All tanks secure, drains operable, drain tanks				Antifreeze _____ \$	
			25. Check free wheels nuts and studs, cracked, secure and inflation, tread				Brake Fluid _____ \$	
			26. Parking brake-condition and adjustment				Hydraulic Fluid _____ \$	
			27. Emergency stopping system-labeled, operable				<b>FILTERS</b>	
			28. Release after loss of service air-test anti lock lamp				Oil Filter _____ \$	
			<b>CHASSIS</b>				Air Filter _____ \$	
			29. Check steering gear and mounting-free lash				Fuel Filter _____ \$	
			30. Steering arms, drag links and tie rod ends				<b>PARTS &amp; ACCESSORIES</b>	
			31. Fifth wheel condition and mounting				Description Qty. Cost	
			32. Springs, shackles and U-bolts-torque arms				_____ \$	
			33. Check frame, cross members, cracks, etc.				_____ \$	
			34. Drive shaft and universal joints				_____ \$	
			35. Transmission, differential-mounting and seals				_____ \$	
			36. Wheel seals leaks, hydraulic brake system leaks				_____ \$	
			37. Clean under carriage				_____ \$	
			<b>ADDITIONAL ITEMS</b>					

REMARKS (use reverse side if required) \_\_\_\_\_

Worked Completed by: \_\_\_\_\_ Date: 1-2-09

Inspected by: AMS Date: 1-2-09

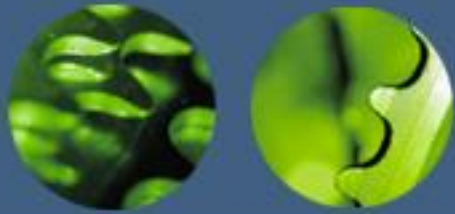
Total Time: \_\_\_\_\_ Hours \_\_\_\_\_ Minutes

MAINTAIN A TWO-YEAR'S ACCUMULATION OF INSPECTION, MAINTENANCE, AND LUBRICATION RECORDS ORIGINAL 260-FS-C3


## Documents must show -

- Date odometer reading or fuel purchased
- Odometer miles or fuel gallons purchased
- Truck identifier
  - VIN
  - License plate #
  - Fleet ID #





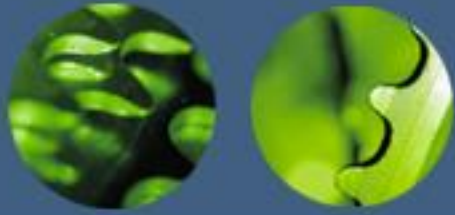
# Vehicle Usage Examples Cont.

ID Number: <b>85</b>		<b>B-85 R.L.L.</b>		<b>Vehicle/Equipment Details</b>				
TAG Number		Veh. Make: <b>PETERBILT</b>		Date: 04/21/2011				
SERIAL #		1XP 7615						
[ Services / Items Posted ]								
DATE	ITEM	DESCRIPTION	MILEAGE	VENDOR NAME	WORK ORDER	QUANTITY	UNIT COST	TOTAL COST
01/05/2009	11	ELDON BORCHERS	924844	W/O	401433	2.50	21.21000	53.03
02/07/2009	33	ELDON BORCHERS	926979	W/O	401664	2.00	21.21000	42.42
02/06/2009	24	ANTONIO SEGOVIANO	928895	W/O	401664	2.50	21.20000	54.30
02/18/2009	14	MAX	930755	W/O	404173	1.00	23.05000	23.05
02/18/2009	24	ANTONIO SEGOVIANO	930753	W/O	404213	1.00	21.72000	21.72
02/18/2009	33	LUCIO HAGANA RUIZ	930753	W/O	404213	1.50	17.33000	26.00
03/02/2009	04	ROBERT RAMOS	930259	W/O	404222	1.00	22.18000	22.18
03/02/2009	14	MAX	930669	W/O	404222	1.50	23.05000	34.58
03/05/2009	04	ROBERT RAMOS	930760	W/O	404257	1.00	22.18000	22.18
03/05/2009	24	ANTONIO SEGOVIANO	930760	W/O	404257	2.50	21.72000	54.30
03/05/2009	33	LUCIO HAGANA RUIZ	930760	W/O	404257	0.50	17.33000	8.67
03/26/2009	21	ELDON BORCHERS	934309	W/O	401546	4.00	21.21000	42.42
03/26/2009	24	ANTONIO SEGOVIANO	934309	W/O	401546	4.50	21.72000	97.74
03/26/2009	33	LUCIO HAGANA RUIZ	934309	W/O	401546	4.50	17.33000	77.99
04/13/2009	24	ANTONIO SEGOVIANO	936245	W/O	401842	2.00	21.72000	43.44
04/24/2009	14	MAX	939385	W/O	401930	1.00	23.05000	23.05
04/30/2009	04	ROBERT RAMOS	940681	W/O	401966	8.50	22.18000	188.53
04/30/2009	14	MAX	940681	W/O	401966	8.50	23.05000	195.93
04/30/2009	21	ELDON BORCHERS	940681	W/O	401966	4.00	21.21000	84.84
04/30/2009	24	ANTONIO SEGOVIANO	940681	W/O	401966	8.00	21.72000	173.76
04/30/2009	33	LUCIO HAGANA RUIZ	940681	W/O	401966	9.00	17.95000	161.55
05/11/2009	04	ROBERT RAMOS	941116	W/O	404409	2.50	22.18000	55.45
05/11/2009	24	ANTONIO SEGOVIANO	941116	W/O	404409	1.00	21.72000	21.72
05/11/2009	33	LUCIO HAGANA RUIZ	941116	W/O	404409	1.00	17.95000	17.95
05/11/2009	33	LUCIO HAGANA RUIZ	941116	W/O	404409	1.00	17.95000	17.95
06/03/2009	24	ANTONIO SEGOVIANO	945664	W/O	404379	2.00	21.72000	43.44
06/09/2009	14	MAX	946628	W/O	402024	3.50	23.05000	80.68
06/09/2009	21	ELDON BORCHERS	946628	W/O	402024	3.50	21.21000	74.24
06/29/2009	21	ELDON BORCHERS	950069	W/O	402108	2.00	21.21000	42.42
07/06/2009	24	ANTONIO SEGOVIANO	951462	W/O	402126	1.50	21.72000	32.58
07/08/2009	24	ANTONIO SEGOVIANO	952059	W/O	402132	1.00	21.72000	21.72
07/21/2009	04	ROBERT RAMOS	953477	W/O	404557	2.50	22.18000	55.45
07/23/2009	24	ANTONIO SEGOVIANO	953490	W/O	404566	0.50	21.72000	10.86
08/03/2009	04	ROBERT RAMOS	953536	W/O	404635	0.50	22.18000	11.09
08/03/2009	21	ELDON BORCHERS	953535	W/O	404629	3.00	21.21000	63.63
08/03/2009	24	ANTONIO SEGOVIANO	953535	W/O	404629	3.00	21.72000	65.16
08/10/2009	04	ROBERT RAMOS	954703	W/O	404676	1.00	22.18000	22.18
08/20/2009	24	ANTONIO SEGOVIANO	956797	W/O	404756	6.00	21.72000	130.32
08/20/2009	33	LUCIO HAGANA RUIZ	956797	W/O	404756	4.00	17.95000	71.80
08/24/2009	04	ROBERT RAMOS	W/O	404771	3.00	22.18000	66.54	
08/24/2009	33	LUCIO HAGANA RUIZ	W/O	404771	1.00	17.95000	17.95	
08/28/2009	24	ANTONIO SEGOVIANO	957884	W/O	404800	1.00	21.72000	21.72
08/28/2009	33	LUCIO HAGANA RUIZ	957884	W/O	404800	1.00	17.95000	17.95
09/03/2009	14	MAX	953535	W/O	404836	8.50	23.05000	195.93
09/03/2009	21	ELDON BORCHERS	953535	W/O	404836	1.00	21.21000	21.21
09/03/2009	24	ANTONIO SEGOVIANO	953535	W/O	404836	1.00	21.72000	21.72
09/03/2009	33	LUCIO HAGANA RUIZ	953535	W/O	404836	6.50	17.95000	116.68
09/28/2009	24	ANTONIO SEGOVIANO	963020	W/O	404936	1.00	21.72000	21.72
09/28/2009	33	LUCIO HAGANA RUIZ	963020	W/O	404936	0.50	17.95000	8.98
10/14/2009	04	ROBERT RAMOS	966351	W/O	402290	1.00	22.18000	22.18

- Truck identifier
  - Fleet ID #
  - VIN

- Odometer

- Date



# Insurance Requirements

- **Currently active Certificate of General Liability Insurance**
- **Minimum \$1,000,000 General Liability per occurrence for bodily injury, personal injury, and property damage or \$2,000,000 General Aggregate**
- **Minimum \$1,000,000 Automobile Liability per accident for bodily injury and property damage**
- **Comprehensive and Collision coverage sufficient to replace funded equipment**

# Insurance Documentation

**ACORD** CERTIFICATE OF LIABILITY INSURANCE DATE (MM/DD/YYYY)  
02/27/12

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER: Dillon Risk Management, 3610 American River Dr., #120, Sacramento, CA 95864, John Dillon  
 CONTACT NAME: 916-388-2340  
 PHONE (A/C, No. Ext.): 916-486-1851  
 FAX (A/C, No.):  
 E-MAIL:  
 ADDRESS:  
 PRODUCER CUSTOMER ID #:

INSURER(S) AFFORDING COVERAGE NAIC #  
 INSURER A: National Interstate Ins. 32620  
 INSURER B:  
 INSURER C:  
 INSURER D:  
 INSURER E:  
 INSURER F:

CERTIFICATE NUMBER: REVISION NUMBER:

INSR. LTR.	TYPE OF INSURANCE	ADDITIONAL INSURER	POLICY NUMBER	POLICY EFF. DATE (MM/DD/YYYY)	POLICY EXP. DATE (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PER <input type="checkbox"/> LOC		VPP -05	03/01/12	03/01/13	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Per occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Trlr Int \$50K Lmt	X	VPP -05	03/01/12	03/01/13	COMBINED SINGLE LIMIT (Per accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS COMPENSATION AND EMPLOYERS LIABILITY ANY PROHIBITED OCCUPATIONS EXCLUDED? OFF-COMMEMBER EXCLUDED? (Mandatory in HI) If yes, describe under DESCRIPTION OF OPERATIONS below		VWC -05	03/01/12	03/01/13	<input checked="" type="checkbox"/> W/STATUS/LIMITS <input type="checkbox"/> OTHER EL, EACH ACCIDENT \$ 1,000,000 EL DISEASE - EA EMPLOYEE \$ 1,000,000 EL DISEASE - POLICY/LIMIT \$ 1,000,000
A	Motor Truck Cargo		VPP -05	03/01/12	03/01/13	Limit 200,000 Ded. 1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 Certificate holder is included as Additional Insured applicable to the Auto Liability policy per attached endorsement.

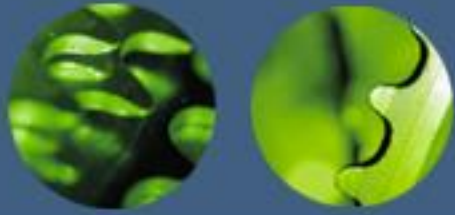
CERTIFICATE HOLDER: SACMETR  
 Sacramento Metropolitan Air Quality Management District  
 777 12th Street, 3rd Floor  
 Sacramento, CA 95814

CANCELLATION  
 SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  
 AUTHORIZED REPRESENTATIVE: [Signature]

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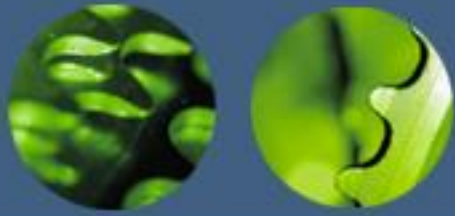
## Certificate of Liability Insurance

- Named insured
- Current policy dates
- General Liability coverage
- Automobile Liability coverage
  - If listed, policy date must be for past 24 months
  - May be separate documents such as cab cards
- ONLY FOR REPLACEMENT TRUCK will SMAQMD will be listed as Certificate Holder



# Payee Data Record

- Tax information required by the County of Sacramento for payment
- Payee name & address must match IRS records on file
- Payee must match the application
- Available for download at:
  - <http://www.finance.saccounty.net/AuditorController/Documents/TaxAcct/PayeeDataForm.pdf>

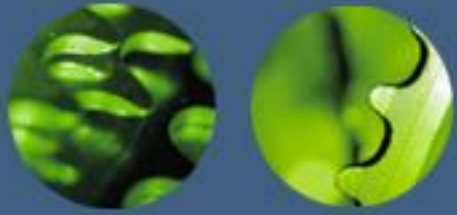


# Applicant Checklist

- Applicant Information
  - SMAQMD Form APP – one page
  - Certificate of Liability Insurance
  - Sacramento County Payee Data Record
- Vehicle Information
  - SMAQMD Form A1, A2, or A3 – two pages
  - Current DMV Registration
  - Copy of Clean Title
  - DMV Vehicle Registration Information Record
  - One current mileage record
  - One historic mileage record (6+ months old)
  - Proof of 24 months insurance (letter OK)
  - Photograph of VIN / GVWR



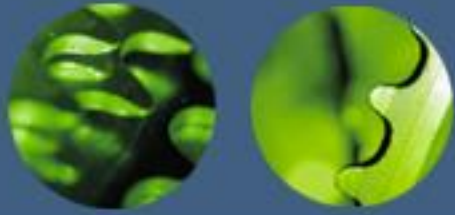
**ONLY  
12  
PAGES!**



# Multiple Vehicles

- Are you submitting an application for multiple vehicles?
  - One (1) Form APP per company
  - One (1) Form A2 or A3 per truck
  - Attachments per truck
  - One (1) Payee Data Record per company



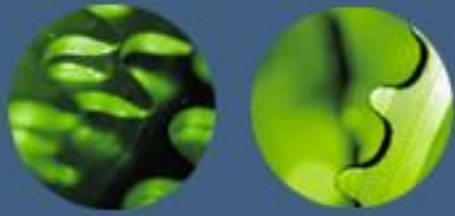


# Other Funding Sources



- Carl Moyer Program
  - Off-road repower & Equipment replacement
- SECAT Program
  - Applications ongoing
  - On-road replacement
- TIMBER Program
  - Applications ongoing
  - On-road replacement for dedicated logging trucks





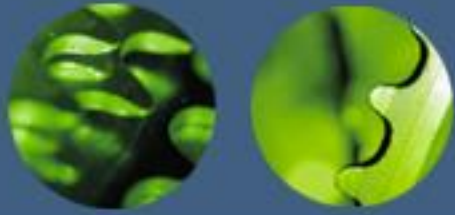
# Clean Technology Forum

- Regional workshop showcasing alternative fuel technology
- Opportunity to tour CNG fueling and maintenance facilities
- Information on vehicles and fuels
- <http://www.cleancitiessacramento.org/>

**NORTHERN CA CLEAN  
TECHNOLOGY FORUM**

October 14-15, 2015 — CA Automobile Museum — Sacramento, CA





# GMERP Contacts

- [www.airquality.org/mobile/goodsmovement/index.shtml](http://www.airquality.org/mobile/goodsmovement/index.shtml)
- Kristian Damkier
  - (916) 874-4892
  - [kdamkier@airquality.org](mailto:kdamkier@airquality.org)
- Heather Taylor
  - (916) 874-4889
  - [htaylor@airquality.org](mailto:htaylor@airquality.org)
- Any local truck or engine dealer



SACRAMENTO METROPOLITAN



**AIR QUALITY**  
MANAGEMENT DISTRICT

## Questions?