Project Categories

Heavy-Duty Trucks and Buses
- >14,000 lbs. GVWR
- Statewide Truck and Bus Regulation

Drayage Trucks
- Registered in Drayage Truck Registry
- >26,000 lbs. GVWR

Transit Vehicles
- Urban buses – greater than 35 feet in length and 33,000 lbs. GVWR
- Transit Fleet Vehicles – less than 35 feet in length and 33,000 lbs. GVWR
Solid Waste Collection Vehicles (SWCV)

- Compliant with final SWCV Regulation (2006 and older engines)
- Compliance with Truck and Bus Regulation (2007 and newer engines)

Emergency Vehicles

- Fire trucks, prisoner transport buses, pumpers, ladder trucks and water tenders
- Defined in CA Vehicle Code Sections 27156.2 & 165
- Replacement option only
Project Options

• Replacement: The replacement of an older, high polluting vehicle with a newer, cleaner one

• Repower: Replacing an older, high polluting engine with a newer, cleaner one (note: prototype may be required if repower has not been previously demonstrated)

• Conversion: Replacing or modifying the original engine/vehicle to a hybrid or zero emission technology
Eligibility Requirements - Existing Vehicle

- EMY 2007 to 2010 (some exceptions)
- Compliance deadline no earlier than 1/1/2023
- Diesel or Alternative Fuel
- Vehicle must be operational
- 75% of usage in South Coast Air Basin
- Clean Vehicle Title (No Lien)
- DMV Registration & Proof of Insurance (previous 24 months)
  - Seasonal registration may be eligible (3-6 months continuous registration per 12 month period for the prior 24 months)
- Usage documentation prior 24 months
- Executive Order for Existing Engine
- Photo verifying GVWR and engine tag
- Compliance with applicable Regulation
Eligibility Requirements - Replacement Vehicle

• EMY 2013 or newer
• Fleet size 1-10: Replacement vehicle with engine certified at or below 0.10 g/bhp-hr NOx
• Fleet size > 10: Must select optional low NOx (0.02 g/bhp-hr) or zero emission
• Engine’s intended service class must match replacement vehicle’s weight class (e.g., a MHD engine must be used in a vehicle with GVWR 19,501-33,000 lbs.)
• Mileage Caps for Used Replacement Truck
  - HHD 500,000 miles, MHD 250,000 miles, LHD 150,000 miles
• Warranty – Minimum of 1 year or 100K miles including parts & labor
• California registration or California IRP
Eligibility Requirements - Repower

- Engines must be certified by CARB
- 0.10 g/bhp-hr NOx or cleaner
- Compliance Check Requirement (Based on VIN)
- Written confirmation from manufacturer
- Prototype testing may be required
  - No CMP funds can be used for prototype vehicle
Documentation of Compliance Status

Fleet subject to the Statewide Truck and Bus Regulation (TRUCRS)

- A Copy of the TRUCRS Fleet list with compliance option for each
- A Copy of the Compliance Certificate printed from TRUCRS

Vehicle subject to the Drayage Truck Regulation

- DTR Compliance Search Page Printout showing VIN and compliance status

Vehicle subject to other applicable CARB Regulation

- SOUTH COAST AQMD will verify the compliance status with CARB
- Complete Fleet Compliance is Needed
Project Life

- Truck Replacement 7 years
- Transit Bus Replacement 12 years
- Repower 7 years
- Electric Conversion 5 years
- Emergency Vehicle Replacement 14 years
- Other On-Road Projects 3 years

Regulatory requirements may reduce the project life shown above
A longer project life may be considered on a case-by-case basis
### Maximum Funding Amounts by Project Type

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>Zero Emission Replacement or Conversion</th>
<th>Low NOx Replacement</th>
<th>Low NOx Repower</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(0.02 g/bhp-hr)</td>
<td>(0.05 g/bhp-hr)</td>
</tr>
<tr>
<td>Class 8</td>
<td>$200,000</td>
<td>$100,000</td>
<td>$80,000</td>
</tr>
<tr>
<td>Class 7</td>
<td>$150,000</td>
<td>$80,000</td>
<td>$60,000</td>
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<tr>
<td>Class 6</td>
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<td>$80,000</td>
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<tr>
<td>Class 5</td>
<td>$80,000</td>
<td>$70,000</td>
<td>$50,000</td>
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<tr>
<td>Class 4</td>
<td>$80,000</td>
<td>$70,000</td>
<td>$50,000</td>
</tr>
<tr>
<td>Transit Bus</td>
<td>$80,000</td>
<td>$25,000</td>
<td>$25,000</td>
</tr>
<tr>
<td>Emergency</td>
<td></td>
<td>Up to 80% of cost</td>
<td></td>
</tr>
</tbody>
</table>

Note: No more than 80% of the eligible cost for fleets with ≤10 vehicles; no more than 50% of the eligible cost for larger fleets.
## Funding Amount Examples

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Baseline Engine Model Year</th>
<th>New Replacement Technology</th>
<th>Potential Funding</th>
<th>Annual Usage (miles)</th>
<th>Funding Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transit Bus*</td>
<td>2008</td>
<td>Zero Emission</td>
<td>$80,000 or 80% of eligible project cost</td>
<td>29,000</td>
<td>$25,000</td>
</tr>
<tr>
<td>HHD Truck</td>
<td>2007</td>
<td>Low NOx (0.02g/bhp-hr NOx)</td>
<td>$100,000 or 80% of eligible project cost</td>
<td>60,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>HHD Truck</td>
<td>2008</td>
<td>Low NOx (0.02g/bhp-hr NOx)</td>
<td>$100,000 or 80% of eligible project cost</td>
<td>15,000</td>
<td>$25,500</td>
</tr>
<tr>
<td>HHD Truck</td>
<td>2007</td>
<td>Zero Emission</td>
<td>$200,000 or 80% of eligible project cost</td>
<td>70,000</td>
<td>$125,000</td>
</tr>
</tbody>
</table>

* This project’s baseline vehicle is CNG fueled
Case-By-Case Projects

• On-road heavy-duty vehicles with GVWR of 8,501 – 14,000 lbs.

• Retrofit projects
  • Must reduce NOx emissions by at least 15%, and at or below the 0.02 g/bhp-hr optional low NOx standard

• Transport Refrigeration Units (TRUs) – zero emission replacement projects only

• Auxiliary Power Units (APUs)

• Projects using Power Take-Off (PTO) hours of operation
South Coast AQMD will not pay invoices until all four inspections have been performed and approved.

**Pre-Inspection**
- After project approval, before or after contract execution
- Verifies operational status, EMY, GVWR, ESM, same as application

**Post Inspection**
- Before replacement engine/vehicle is delivered to fleet
- Verifies the technology, engine duty cycle, GVWR

**Pre-Dismantle Inspection**
- Verifies truck is operational, intact and not stripped
- Existing truck must be delivered to dismantler within 60 days after new truck delivery

**Destruction Inspection**
- Engine and frame rail destruction
- Destructed < 60 days after dismantler receipt
- Dismantler provides photos within 10 business days
## Additional Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Site Address</th>
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</thead>
<tbody>
<tr>
<td>HVIP</td>
<td><a href="https://www.californiahvip.org/">https://www.californiahvip.org/</a></td>
</tr>
<tr>
<td>Truck &amp; Bus Regulation</td>
<td><a href="https://ww2.arb.ca.gov/our-work/programs/truck-and-bus-regulation">https://ww2.arb.ca.gov/our-work/programs/truck-and-bus-regulation</a></td>
</tr>
<tr>
<td>The Truck Stop 1-866-6DIESEL</td>
<td><a href="https://ww3.arb.ca.gov/msprog/truckstop/truckstop.htm">https://ww3.arb.ca.gov/msprog/truckstop/truckstop.htm</a></td>
</tr>
<tr>
<td>Carl Moyer Grant Calculator</td>
<td><a href="https://ww2.arb.ca.gov/our-work/programs/carl-moyer-program/on-road-grant-calculator">https://ww2.arb.ca.gov/our-work/programs/carl-moyer-program/on-road-grant-calculator</a></td>
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APPLICATION DEADLINE

TUESDAY JUNE 1, 2021 AT 1PM

APPLY ONLINE ONLY: https://carlmoyeronline.aqmd.gov/
# Questions/Comments

<table>
<thead>
<tr>
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</tbody>
</table>