

# **Diesel Emissions Reduction Act (DERA) Tribal Clean Diesel Funding Assistance**

**National Tribal Forum on Air Quality  
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Office of Transportation and Air Quality**



**National Clean Diesel Campaign**

# Diesel Emissions Reduction Act (DERA)

- ▶ Mission: To reduce exposure to diesel exhaust from existing engines to address human health and environmental impacts of diesel
  - ▶ Human Health: Serious health conditions like asthma and respiratory illnesses can worsen existing heart and lung disease
  - ▶ The Environment: Ground-level ozone and particulate matter exposure
- ▶ How the program works
  - ▶ National Grants
  - ▶ Tribal Grants
  - ▶ School Bus Rebates
  - ▶ State Allocations

# Diesel Emissions Reduction Act (DERA) - Tribal Program

- ▶ Through the federal DERA statute, EPA funds projects that reduce diesel emissions from the 10 million existing older, higher polluting on-highway and nonroad engines through replacement, idling reduction, and retrofit technologies.
- ▶ Since 2009, the program has funded 26 Tribal grants totaling \$7.2 million.
  - ▶ Tribes met the mandatory cost-share for those grants, contributing approximately \$6.1 million.
  - ▶ The grants have funded fishing vessel repowers, fishing dock shorepower, diesel generators, truck stop electrification (aka Electric Power Systems), nonroad farming equipment, mining equipment, repowers and retrofits of dump trucks, and school bus retrofits and replacements.
  - ▶ 19 individual Tribes or Alaska Native Villages have applied and received DERA grants.
  - ▶ EPA has funded 26 of 31 total Tribal applications received since the beginning of the program.
- ▶ Contact the Office of Air and Radiation (OAR) for more information about the DERA program through the Office of Air and Transportation Quality (OTAQ) at:
  - ▶ [cleandiesel@epa.gov](mailto:cleandiesel@epa.gov)

# Diesel Emissions Reduction Act (DERA) - Tribal Program Eligibility

- ▶ A tribal agency or intertribal consortium with jurisdiction over transportation or air quality are eligible to apply.
- ▶ Tribal agencies are defined as Federally recognized Indian tribal governments, which are any Indian tribe, band, nation, or other organized group or community (including Native villages) certified by the Secretary of the Interior as eligible for the special programs and services provided through the Bureau of Indian Affairs as well as any organization or intertribal consortium that represents Federally recognized tribes.
- ▶ “Intertribal consortium” is defined as a partnership between two or more tribes that is authorized by the governing bodies of those tribes to apply for and receive assistance under this program. Intertribal consortia are eligible to receive assistance under this program only if the consortium demonstrates that all members of the consortium meet the eligibility requirements for the program and authorize the consortium to apply for and receive assistance by submitting to EPA documentation of (1) the existence of the partnership between Indian tribal governments, and (2) authorization of the consortium by all its members to apply for and receive the assistance.

# Eligible Vehicles, Engines and Equipment

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**May include, but are not limited to heavy-duty diesel powered:**

- ▶ Buses
- ▶ Class 5 – 8 Medium-Duty or Heavy-Duty Trucks;
- ▶ Marine Engines;
- ▶ Locomotives; and
- ▶ Nonroad Engines, Equipment or Vehicles used in:
  - ▶ Construction;
  - ▶ Handling of Cargo (including at a port or airport);
  - ▶ Agriculture;
  - ▶ Mining; or
  - ▶ Energy Production (including Stationary Generators and Pumps)

# Eligible Projects & EPA Cost-Share

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- ▶ **Exhaust Control Technologies – Up to 100%**
  - ▶ Diesel Oxidation Catalysts, Diesel Particulate Filters
- ▶ **Engine Upgrades and Remanufacture Systems – Up to 75%**
  - ▶ Nonroad, Locomotive, or Marine Engines
- ▶ **Verified Cleaner Fuels and Additives – Bundled; Cost-differential**
- ▶ **Idle Reduction Technologies – Up to 40%**
  - ▶ Auxiliary Power Units, Fuel Operated Heaters, etc.
  - ▶ Shore Power Connection Systems and Electrified Parking Spaces
- ▶ **Aerodynamic Technologies & Low Rolling Resistance Tires – Bundled; Up to 100%**
- ▶ **Clean Alternative Fuel Conversions – Up to 50%**

# Eligible Projects & EPA Cost-Share

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## Vehicle and Equipment Replacements

- ▶ **Stationary Generators for Power Production** - up to **80%** of the cost (labor and equipment)
- ▶ **All other Highway Diesel Vehicles, Nonroad Equipment and Vehicles, and Locomotives:**
  - ▶ **Up to 50%** of the cost of an eligible replacement powered by an engine certified to EPA emissions standards (labor and equipment)
  - ▶ **Up to 60%** of the cost of a new, zero emission replacement

# Eligible Projects & EPA Cost-Share

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## Certified Engine Replacement

- ▶ **Stationary Generators for Power Production** – up to **80%** of the cost (labor and equipment) of replacing a diesel engine with a diesel or alternative fueled engine (including hybrids) or with a zero emission power source
- ▶ **All Other Engines, Equipment and Vehicles** – up to **75%** of the cost (labor and equipment) of replacing a diesel engine with a diesel or alternative fueled engine (including hybrids) or with a zero emission power source



# VW Environmental Mitigation Request for Funds

## Budget Detail – Example Scenarios

▶ <b>Scenario 1 Cost Share</b>	<u>EPA Funds</u>	<u>Mandatory Cost Share</u>	<u>Voluntary</u>
▶ 1-generator cost \$100,000	\$80,000	\$20,000	\$0.00
▶ <b>Scenario 2 Cost Share</b>	<u>EPA Funds</u>	<u>Mandatory Cost Share</u>	<u>Voluntary</u>
▶ 1-generator cost \$100,000	\$20,000	\$20,000	\$60,000 (VW funds)
▶ <b>Scenario 3 Cost Share</b>	<u>EPA Funds</u>	<u>Mandatory Cost Share</u>	<u>Voluntary</u>
▶ 1-generator cost \$100,000	\$1.00	\$20,000	\$79,999 (VW funds)

# VW Environmental Mitigation Request for Funds

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Note: Next year we anticipate that the DERA RFA will align with the trust deadlines since the trust deadlines are now firm. This way, applicants will know their trust allocation before submitting their DERA application.

# Thank You!

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