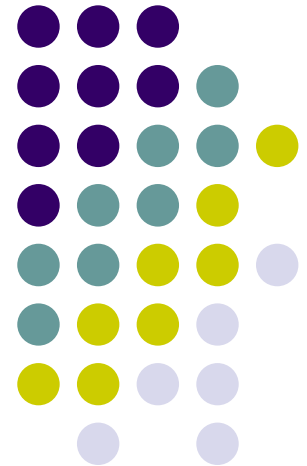


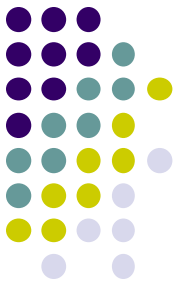
Diesel Emissions Reduction Act (DERA)

2022 Tribal and Insular Area Program Webinar

Lucita Valiere
EPA Office of Transportation and Air Quality



Diesel Emissions Reduction Act (DERA)



Agenda



Overview of DERA



DERA Grant and Rebate Programs



2022 DERA Tribal and Insular Area Program



Evaluation Process and Criteria

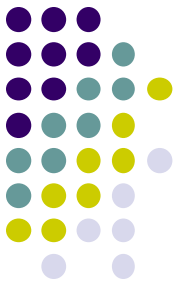


Timeline and Important Dates



Next Steps and Resources

Diesel Emissions Reduction Act (DERA)



Overview of DERA

- Despite EPA's diesel engine and fuel standards for new engines, nearly ten million legacy diesel engines are still in use.
- Diesel engines continue to emit large amounts of NOx, PM2.5, and other pollutants, which contribute to serious public health problems.
- DERA permits EPA to offer funding to accelerate upgrade and turnover of legacy diesel fleets.
- Funding opportunities are provided by through an annual appropriation by Congress to DERA and subject to the availability of funds, the quality of applications received and other considerations.
- DERA supports environmental justice by prioritizing emissions reductions in areas receiving disproportionate impacts.
- DERA has three grant program funding opportunities:

Reducing emissions from diesel engines is one of the most important air quality challenges facing the country.



State Grants



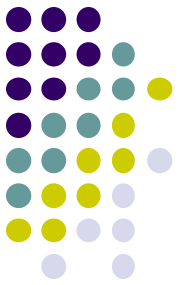
National Grants



Tribal and Insular Area Grants



Diesel Emissions Reduction Act (DERA)



Overview of DERA Grant Programs

State Grants



- EPA allocates DERA funds to eligible U.S. states and territories for the establishment of diesel emissions reduction programs.
- Timeline: Spring

<https://www.epa.gov/dera/state>

National Grants



- Program solicits applications for projects that achieve significant reductions in diesel emissions and exposure, particularly from fleets operating in designated poor air quality areas.
- Timeline: Winter
- Tribes/Insular Areas Eligible? YES

<https://www.epa.gov/dera/national>

Tribal and Insular Area



- Program solicits applications from eligible entities that achieve significant reductions in diesel emissions and exposure.
- Timeline: Summer
- Tribes/Insular Areas Eligible? YES

<https://www.epa.gov/dera/tribal>



Diesel Emissions Reduction Act (DERA)

Tribal and Insular Area Grants

- Recognizing that tribes and insular areas have various administrative, technical, and financial considerations that other National grant program applicants may not, EPA has established a separate funding opportunity with flexibilities to address the unique considerations of tribal and insular area applicants so they can compete for DERA funds and implement diesel emissions reduction projects.
- Although funds will be competed under a single RFA, tribal applicants will only compete against tribal applicants, and insular areas will compete against other insular area applicants.



School Bus Rebates



State Grants



National Grants



Tribal and Insular Area Grants



Diesel Emissions Reduction Act (DERA)

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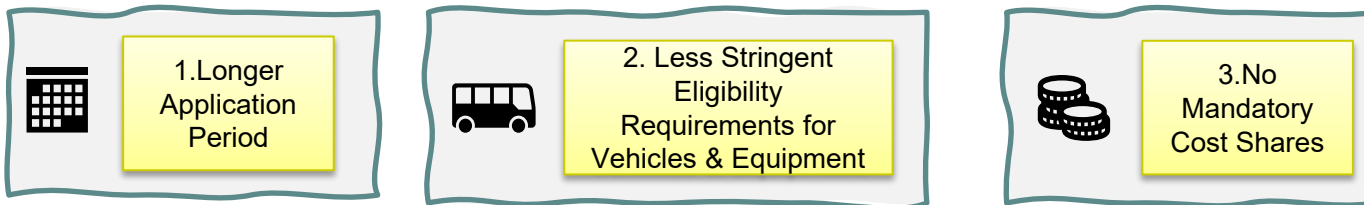


2022 Tribal and Insular Area Program Overview

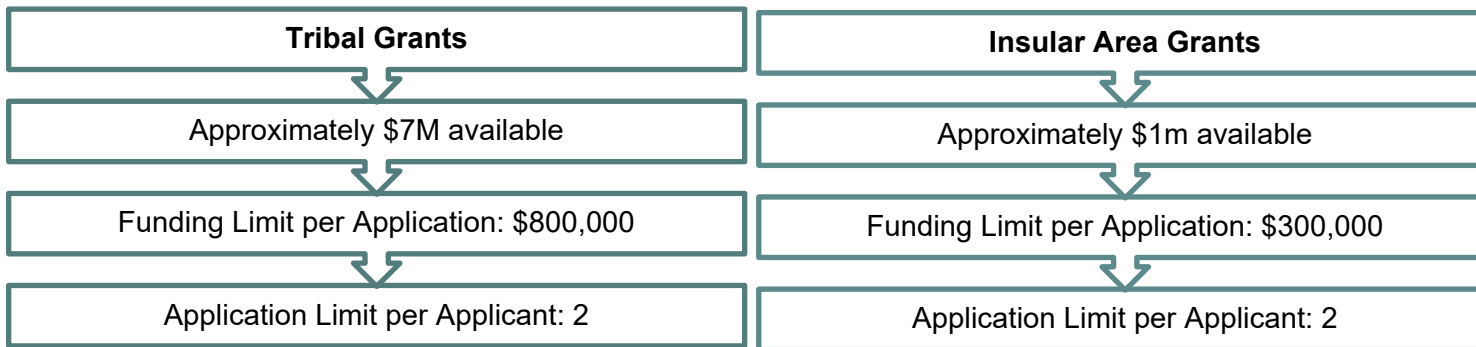
WHO CAN APPLY?

Eligible entities include tribal governments (or intertribal consortia) and Alaska Native Villages, or insular area government agencies which have jurisdiction over transportation or air quality. **Although private fleet owners are not eligible to apply directly to EPA for DERA funding, both public and private fleets can benefit from the programs implemented by DERA grant recipients.**

The following variations from the National program will hopefully encourage competition from tribes and insular areas:



As defined in 48 U.S.C. §1469a, "Insular Area" includes the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands.



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Eligible Vehicles, Engines & Equipment



School Buses

- Includes **diesel powered school buses** of Type A, B, C and D. To be eligible as a school bus, a vehicle should **meet the definition of a school bus as defined by the National Highway Transportation Safety Administration.**

Medium-duty or heavy-duty trucks

- Includes **diesel powered highway vehicles** with gross vehicle weight rating (GVWR) including Class 5 – 8 (16,001 lbs GVWR and over)

Nonroad engines, equipment or vehicles

- Diesel powered nonroad engines, equipment and vehicles including, but not limited to, those used in **construction, handling of cargo (including at ports and airports), agriculture, mining, or energy production (including stationary generators and pumps).**

Transit Buses

- Includes **diesel powered medium-duty and heavy-duty transit buses.**

Marine Engines

- Includes **diesel powered Category 1, 2, and 3 marine engines and vessels.**

Locomotives

- Includes **diesel powered line-haul, passenger, and switch engines and locomotives.**



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Ownership, Usage, and Remaining Life



1

The existing vehicle, engine, or equipment must be **fully operational**.

2

Participating fleet owner must currently own and have owned and operated vehicle(s) or equipment(s) during the **two years prior to upgrade**.

3

The existing vehicle, engine, or equipment must have **at least two years of remaining life** at the time of upgrade.

4

School Buses: Must have at least **5,000 miles/year for Tribes or 1,000 miles/year for Insular Areas** during the two years prior to upgrade, or during calendar year 2020.

5

All Other Highway Engines: Vehicles must have at least **5,000 miles/year for Tribes or 1,000 miles/year for Insular Areas** during the two years prior to upgrade.

6

Agricultural Pumps: Must have operated at least **250 hours per year** during the two years prior to upgrade.

7

All Other Nonroad Engines: Nonroad engines must operate at least **300 hours per year** during the two years prior to upgrade.

8

Locomotive and Marine: Locomotive and marine engines must operate at least **500 hours per year** during the two years prior to upgrade.

9

Documentation: Participating fleet owners must attest to each criterion in above in a **signed eligibility statement**.



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Eligible Upgrades

Vehicle or Equipment Replacement with EPA Certified Engine
Vehicle or Equipment Replacement with CARB Certified Low NOx Engine
Vehicle or Equipment Replacement with Zero-tailpipe Emission Power Source
Engine Replacement with EPA Certified Engine
Engine Replacement with CARB Certified Low NOx Engine
Engine Replacement with Zero-tailpipe Emission Power Source
Certified Remanufacture Systems
Highway Idle Reduction Technologies when combined with new or previously installed exhaust after-treatment retrofit
Highway Idle Reduction Technologies without new exhaust after-treatment retrofit
Locomotive Idle Reduction Technologies
Marine Shore Connection Systems
Electrified Parking Space Technologies
Exhaust After-treatment Retrofits
Engine Upgrade Retrofits
Hybrid Retrofit Systems
Fuel and Additive Retrofits when combined with new retrofit, upgrade, or replacement
Aerodynamics and Low Rolling Resistance Tires when combined with new exhaust after-treatment retrofit
Alternative Fuel Conversion

RFA Available at www.epa.gov/dera/tribal-insulararea



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Eligible Upgrade Summary



Medium and Heavy-Duty Truck, Transit Bus, and School Bus Project Eligibility

- 2009 and older may be replaced with EMY 2016+ diesel, alternative fuel, or zero emission technology
- 2010 and newer may be replaced with zero emission or low NOx technology
- Some engines are eligible for retrofits, idle reduction technologies, alternative fuel conversions, and tires and aerodynamics

Nonroad Engine Project Eligibility

- Tier 4 may be replaced with zero emission
- Tier 3 may be replaced with Tier 4 or zero emission
- Tier 2 and lower may be replaced with Tier 4 or zero emission.
 - Tier 1, Tier 2, Tier 3 and Tier 4i vehicles, equipment, and engines may be used for replacement only if Tier 4 is demonstrated to not be available or feasible through a best achievable technology analysis
 - This analysis is not required at the time of grant application submittal
- Costs for engineering analysis may be included in the project budget



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Eligible Upgrade Summary...continued



Marine and Locomotive Engine Project Eligibility

- Tier 4 engines may not be replaced
- Tier 3 and lower may be replaced with Tier 4 or zero emission.
 - Tier 1, Tier 2, Tier 3 and Tier 4i vehicles, equipment, and engines may be used for replacement only if Tier 4 is demonstrated to not be available or feasible through a best achievable technology analysis
 - This analysis is not required at the time of grant application submittal. Costs for engineering analysis may be included in the project budget.
- Tier 3 and lower, some engines are eligible for retrofits, certified remanufacture systems and verified engine upgrades
- Marine and locomotive shore power are eligible idle reduction projects



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Best Achievable Technology



Applicant Requirements: Applicants replacing nonroad, marine, and locomotive engines must commit to using the best achievable diesel technology for the project.



Analysis Requirement: If selected for funding, applicants will be required to submit a best achievable technology analysis to EPA for approval before Tier 1, Tier 2, Tier 3 or Tier 4i vehicles, equipment, or engines can be purchased, as defined below.

Using good engineering judgment, the analysis must determine that the lower tiered engine is the best achievable technology for the project.

Costs for engineering analysis may be included in the project budget.



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Funding Restrictions



DERA funds cannot be used for the following activities:

Federal matching funds

Expenses incurred prior to the project period

Emissions testing

Fueling infrastructure

Federally mandated measures

Leasing

Fleet Expansion (*Note: scrappage is required*)

Replacement retrofit technologies

Eligible and ineligible project costs are defined further in the 2022 RFA



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Application Evaluation Process



Step 1: Threshold Criteria Review

Applicant must meet threshold criteria to move on to Step 2

Application Submission	Align with EPA Priorities	Eligible Activities	Below Funding Limit	<= 2 Applications	Eligible Applicant
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Step 2: Evaluation Criteria

Evaluation criteria noted below (points assigned to each)

Criteria

Project Summary and Approach

Project Location

Environmental Justice and Underserved Communities

Project Sustainability

Environmental Results – Outputs, Outcomes, and Performance Measures

Programmatic Capability and Past Performance

Budget

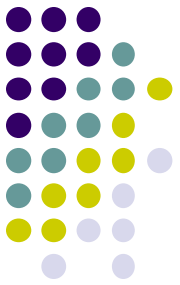
Applicant Fleet Description



Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Timeline and Important Dates



TRIBAL & INSULAR AREA RFA	
Thursday, August 4th	RFA Opens
Tuesday, August 16th	Webinar #1 @1PM EST
Thursday, August 25th	Webinar #2 @3PM EST
Wednesday, August 31	Webinar #3 @7PM EST
Friday, October 14th	Q&A Deadline @11:59PM EST
Wednesday, October 26th	RFA Closes @11:59PM EST
January 2023	Notification of Selections

Diesel Emissions Reduction Act (DERA)

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2022 Tribal and Insular Area Program Overview Next Steps



1. Visit the DERA Tribal and Insular Area Website for Tools & Resources

2. Register your Organization with Grants.gov

3. Prepare Application Package

4. Submit Application Package on Grants.gov by October 26th at 11:59PM EST

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2022 Tribal and Insular Area Program Overview Next Steps



1. Visit the DERA Tribal and Insular Area Website for Tools and Resources

- Request for Applications #EPA-OAR-OTAQ-22-03 (PDF)
- Sample Project Narrative (WORD)
- Sample Applicant Fleet Description (Excel)
- Priority Area List
- Sample Scrappage Statement
- Sample Eligibility Statement
- Best Practices Procurement Guide
- TRU Factsheet
- VW Factsheet for Tribes
- Questions and Answers

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2022 Tribal and Insular Area Program Overview Next Steps



2. Register your Organization with Grants.gov

- **ALL** DERA applications must be submitted electronically via www.grants.gov
- If not currently registered with Grants.gov, designate an Authorized Organization Representative (AOR) and **begin the registration process as soon as possible.**
- Minor problems with application submittal are NOT uncommon. Grants.gov offers 24-hour support. The registration process requires that your organization have a Unique Entity Identifier (UEI) and a current registration with the System for Award Management (SAM) and the process of obtaining both **could take several weeks.**

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2022 Tribal and Insular Area Program Overview Next Steps



3. Prepare Application Package

- Project Narrative Workplan (Word or PDF)
- Application Fleet Description (Excel)
- Quantify Emission Results (DEQ)
- Application for Federal Assistance (SF-424)
- Budget Information for Non-Construction Programs (SF-424A)
- Assurances for Non-Construction Programs (SF-424B)
- EPA Form 4700-4
- EPA Key Contacts Form
- If applicable, Cost Share Commitment & Partnership Letters
- If applicable, Mandated Measures Justification Supporting Info
- Other documents, as appropriate

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4. Submit Application Package on Grants.gov by Wednesday, October 26th at 11:59PM EST



Thank You!

2022 DERA Tribal and Insular Area RFA Webinar

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For additional information, tools, references, and examples, please visit <https://www.epa.gov/dera/tribal-insulararea>

Submit questions to DERA@epa.gov

If we are unable to answer your question at this time, we will list all questions and answers in the Q and A document available at www.epa.gov/dera/tribal-insulararea#q&a

Presentation materials will be available at www.epa.gov/dera/tribal-insulararea#2022rfa

