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| Part A – APPLICANT Information | | | | | | | | |
| Project Title: | |  | | | | | | |
| Applicant Name: | |  | | | | | | |
| Organization: | |  | | | | | | |
| Email Address: | |  | | | | | | |
| Street Address: | |  | | | | | | |
| **City:** |  | | **Zip Code:** |  | Phone Number: | |  | |
| **Fleet Owned by:**  Choose best fit. | | | | | |  | |  |
| **In what Iowa County do the vehicles/equipment to be replaced or repowered chiefly operate?** (largest percentage of miles or hours in operation)  **What is the percentage of miles or hours in operation in that county?** | | | | | |  | | % |

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| **Part b – project Category, APPLICATION PRIORITY, AND DETAIL** | |
| **Please select a project category for this application. Remember: One category per application.**  Diesel Engine Retrofit Technologies  Engine Upgrades and Remanufacture Systems  Engine Replacement  Locomotive, Marine, and Nonroad Diesel Vehicle and Equipment  Highway Diesel Vehicles  Clean Alternative Fuel Conversions  Idle Reduction Technologies  Locomotive Idle Reduction Technologies  Electrified Parking Spaces  Marine Shore Power Connection Systems  Highway Idle Reduction Technologies  Vehicle and Equipment Replacements  Locomotives, Marine Vessels, and Nonroad Diesel Vehicles and Equipment  Highway Diesel Vehicles and Buses (other than Drayage)  Drayage Vehicles  Cleaner Fuels and Additives\*  Aerodynamic Technologies and Verified Low Rolling Resistance Tire\*\*  \*EPA will not fund stand-alone cleaner fuel/additive use. For new or expanded use, DERA funding can cover the differential between the cleaner fuel/additive and conventional diesel fuel if that cleaner fuel is used in combination, and on the same vehicle, with a new eligible verified engine retrofit or an eligible engine upgrade or an eligible certified engine replacement or an eligible certified vehicle/equipment replacement funded under DERA.  \*\*EPA will not fund stand-alone aerodynamic technologies or low rolling resistance tires. Funding can cover up to 100% of the cost for verified aerodynamic technologies or low rolling resistance tires installed on long haul Class 8 trucks, if combined on the same vehicle with the new installation of one or more of the Verified Engine Retrofit Technologies funded under DERA. | |
| **If submitting more than one application during this funding cycle, what priority is this application among those submitted?** (1 = Highest priority, 2=Lower priority, and so on) |  |

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| Part C – PROJECT COSTS | |
| **Complete the Project Costs Form which is available as an Excel file at** [**https://www.iowadot.gov/dera/Application-Process**](https://www.iowadot.gov/dera/Application-Process)**. Transfer the total project costs and total funding request listed in the form (highlighted in yellow) to the space provided below.** Total costs may include purchase of vehicles or equipment, contracting for services such as installation, installation by the applicant’s own staff, etc. Administrative costs are NOT eligible for reimbursement and should not be included. Costs listed here should be *ESTIMATED* costs only, pending the required competitive bidding process, but should be determined to best meet the needs of the project. Actual costs are not to be incurred until an award is made and a funding agreement is executed. In case of a discrepancy between the Project Costs Form and the amount transferred below, the amount transferred below shall be considered the funding requested. | |
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| **TOTAL ESTIMATED PROJECT COST:** | **$** |
| **RECIPIENT MATCH SHARE:** | **$** |
| **TOTAL DERA FUNDING REQUEST:** | **$** |
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| **Are any federal, state, or other funds whether public or private and external to the applicant involved in this project?  Yes  No** | |
| If yes, please explain the source of funds, intended use of funds (scope) if different from this application, whether the funds are secured or anticipated (and when), and any conditions placed on the funds in the space provided below. *Example: $300,000 grant from so-and-so program. Awarded January 2021 for purchase of 1 electric bus. Must be*  *completed by September 2023.* | |
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| Part d – PROJECT timeline | |
| **Please provide a timeline of your project milestones below.** At a minimum, please list an estimated date of when vehicles/engines/equipment are intended to be purchased/received, when a contractor will be hired (if applicable), when engines/equipment are installed and put into use, when engines/vehicles will be scrapped, etc., and when the claim for reimbursement and closure of the project is expected. Add any additional milestones as appropriate. | |
| **DATE** | **PROJECT MILESTONE** |
| **October 1, 2022** | Execution of project funding agreement (approximate) |
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| **August 30, 2023** | Project must be completed |
| **August 30, 2023** | Final due date for claim for reimbursement, scrappage, final project report, etc. |

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| **Part E – NARRATIVE QUESTIONS**  **Please provide a narrative response to each question in the space provided for each question below.**  ***BE AS CONCISE AS POSSIBLE*** |
| 1. **Detailed Description of the Project.** Please provide a detailed description of your project addressing the following: 2. The project category. 3. As applicable, the number and types of vehicles/engines/equipment/technologies included in your application. 4. If a diesel engine retrofit technology, list the type of retrofit. 5. If an engine upgrade and remanufacture system project, include a discussion of the availability of engine upgrade kits/systems and indicate the pre- and post-project emission standard levels of the engines to demonstrate that the upgrade will result in a significant emissions benefit. 6. If an engine upgrade, indicate if the engine is currently operating and performing its intended function. 7. If a cleaner fuel and additive project, explain if it is combined with an application for: 1) a new eligible verified engine retrofit, 2) an eligible engine upgrade, 3) an eligible certified engine replacement, or 4) an eligible certified vehicle/equipment replacement 8. If an idle reduction technology project, list the technology category. 9. If an electrified parking space project, explain whether it will operate either 1) an independent heating, cooling, and electrical power system, 2) a truck-integrated heating and cooling system, or 3) a plug-in refrigeration system that would otherwise be powered by an engine. 10. If a marine shore power connection system, explain if the project is for a new installation or expansion of existing shore power connection systems. 11. Provide a project description that includes: 12. the annual number of ship visits to berth where the shore power system is to be installed; 13. average hoteling (or idling) time per visit; 14. information about the fleet of vessels that has, or will have, the ability to use the shore-side connection system, including: 15. the estimated annual number of ship visits to the shore power enabled berth that will utilize the shore power system 16. estimated annual hoteling hours using shore power system 17. fuel type and average sulfur content of fuel used in the auxiliary engines for each vessel 18. auxiliary engine and boiler information for each vessel 19. estimated annual hoteling load requirements (MW-hours) 20. any documentation commitment of visits and hours by the fleet of vessels that has, or will have, the ability to use the shore-side connection system; 21. estimated emissions reductions. 22. If a highway idle reduction technology project, state whether the project is combined on the same vehicle with the new installation of one or more of the verified engine retrofit technologies funded under this program. 23. If an engine replacement project, tell us a) the subcategory, and b) what is the proposed fuel of the replacement engine. 24. If a vehicle and equipment replacement project, tell us a) the subcategory, and b) what is the proposed fuel of the replacement engine. 25. If an aerodynamic technology or a verified low rolling resistance tires project, state whether the project is combined on the same vehicle with the new installation of one or more of the verified engine retrofit technologies funded under this program. 26. If a clean alternative fuel conversion project, include a discussion of the availability of conversion systems and indicate the pre- and post-project emission standard levels of the engines to demonstrate that the conversions result in the required emissions benefit. 27. The Project Cost Form requires you to identify the source of your estimates used to calculate your total project costs. If you marked “Other”, please fully describe the source of your estimate. 28. Any other information that will help fully describe your project. |
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| 1. **Demonstration of Previous Efforts to Reduce Air Pollution.** Please describe how this project will build on the successes of previous diesel emission reduction solutions projects your company/organization has completed. What previous diesel emission reduction solutions have been completed? Describe how you measured that these past projects were successful. |
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| 1. **Company/Organization Policies.** Does your organization have a policy or procedure for reducing emissions in your fleet or organization more broadly (not limited to transportation)? Please include such information as applicable: the use of idle reduction policies/procedures for organizational fleets, idling policy for automobiles other than organizational fleet vehicles in loading zones, the use of ultra-low sulfur diesel fuel, biodiesel fuels or other clean fuel alternatives, energy-saving practices and programs, overall reduction of miles traveled by organizational fleets, and use of wind or solar energy. Attach a copy of any idle reduction policies and/or procedures your organization has. |
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