



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
DERA PROGRAM APPLICATION

Submit completed applications by email to MOVWTeam@dnr.mo.gov.

LEGAL NAME OF ORGANIZATION	TELEPHONE NUMBER WITH AREA CODE		
MAILING ADDRESS	CITY	STATE	ZIP CODE

A. APPLICANT INFORMATION

1. TYPE OF APPLICANT (CHECK ONE)
 PRIVATE ENTITY GOVERNMENT ORGANIZATION OTHER (EXPLAIN)

COMPANY OR ENTITY THAT IS APPLYING FOR FUNDING

2. NAME OF AUTHORIZED OFFICIAL	TITLE
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TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
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3. PRIMARY CONTACT NAME	TITLE
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TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
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4. SECONDARY CONTACT NAME	TITLE
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TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
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DUNS #	FEDERAL ID #
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B. PROJECT SUMMARY

5. GENERAL DESCRIPTION OF PROJECTS INCLUDING FLEET OR EQUIPMENT LOCATION

C. APPLICANT AGREEMENT

I hereby certify that:

- The information in this application is true and correct.
- The organization that I represent has sufficient resources to conduct this project while awaiting reimbursement from the department.
- I agree to the Federal Diesel Emissions Reduction Act (DERA) Program Requirements and applicable Federal requirements.

6. SIGNATURE	DATE
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7. HOW DID YOU FIND OUT ABOUT THE VW TRUST FUND?
 DNR WEBSITE EMAIL TWITTER TV/RADIO NEWSPAPER OTHER:

D. PROJECT DETAILS**DIESEL ENGINE RETROFIT TECHNOLOGIES (EMISSION CONTROL EQUIPMENT)**

8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST	% DERA COST SHARE	% OWNER COST SHARE
	\$		
ESTIMATED LABOR COST (IF APPLICABLE)			
\$			
9. TYPE OF PROJECT	PROJECT DESCRIPTION (TRACTOR TRAILER, SCHOOL BUS, ETC.)		
	TYPE OF TECHNOLOGY (CHOOSE ONE): <input type="checkbox"/> DOCs <input type="checkbox"/> DPFs <input type="checkbox"/> CCVs		
	MANUFACTURER NAME	NUMBER OF VEHICLES THE TECHNOLOGY WILL BE INSTALLED	
10. OLD ENGINE INFORMATION	ENGINE MODEL YEAR	BASELINE ENGINE TIER	FUEL TYPE
	NUMBER OF ENGINES	ENGINE MAKE	ENGINE MODEL
	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	FLEET UNIT NUMBER (VESSEL NAME)
USAGE PERIOD: <input type="checkbox"/> 2018-2016 AVERAGE <input type="checkbox"/> 2018	MOST RECENT ANNUAL FUEL CONSUMPTION PER ENGINE (GALLONS)	MOST RECENT ANNUAL USE HOURS PER ENGINE, INCLUDE IDLE	TOTAL ENGINE CYLINDER DISPLACEMENT (LITERS)
	MOST RECENT ANNUAL MILES DRIVEN		

D. PROJECT DETAILS**ENGINE UPGRADES AND REMANUFACTURE SYSTEMS (LOCOMOTIVE AND MARINE)**

8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST \$	% DERA COST SHARE	% OWNER COST SHARE
	ESTIMATED LABOR COST (IF APPLICABLE) \$		
9. TYPE OF PROJECT	PROJECT DESCRIPTION		
	TYPE OF UPGRADE (CHOOSE ONE): <input type="checkbox"/> Verified Engine Retrofit <input type="checkbox"/> Certified Remanufacture System <input type="checkbox"/> Locomotive Full Certified Engine Replacement		
	MANUFACTURER NAME	NUMBER OF VEHICLES THE TECHNOLOGY WILL BE INSTALLED	

**D. PROJECT DETAILS
CLEANER FUELS AND ADDITIVES**

8. FUNDING INFORMATION	ESTIMATED COST DIFFERENTIAL BETWEEN THE CLEANER FUEL/ADDITIVE AND CONVENTIONAL DIESEL FUEL \$	% DERA COST SHARE	% OWNER COST SHARE
	ESTIMATED LABOR COST (IF APPLICABLE) \$		
9. TYPE OF PROJECT	PROJECT DESCRIPTION		
	MUST BE IN COMBINATION WITH ONE OF THE FOLLOWING AND INCLUDED IN THIS APPLCIATION (CHOOSE ONE): <input type="checkbox"/> Verified Engine Retrofit <input type="checkbox"/> Engine Upgrade <input type="checkbox"/> Certified Engine Replacement <input type="checkbox"/> Certified Vehicle/Engine Replacement		
	MANUFACTURER NAME	NUMBER OF VEHICLES THE TECHNOLOGY WILL BE INSTALLED	

D. PROJECT DETAILS			
IDLE REDUCTION TECHNOLOGIES			
8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST	% DERA COST SHARE	% OWNER COST SHARE
	\$		
9. TYPE OF PROJECT	ESTIMATED LABOR COST (IF APPLICABLE)		
	\$		
	PROJECT DESCRIPTION		
	TYPE OF TECHNOLOGY (CHOOSE ONE): <input type="checkbox"/> Auxiliary Power Units and Generator Sets <input type="checkbox"/> Battery Air Conditioning Systems <input type="checkbox"/> Thermal Storage Systems <input type="checkbox"/> Electrified Parking Spaces (Truck Stop Electrification) <input type="checkbox"/> Fuel Operated Heaters <input type="checkbox"/> Shore Connection Systems and Alternative Maritime Power <input type="checkbox"/> Shore Connection Systems for Locomotives <input type="checkbox"/> Automatic Shutdown/Start-up Systems for Locomotives		
TECHNOLOGY NAME FROM EPA'S SMARTWAY VERIFIED TECHNOLOGIES LIST			
SYSTEM USED FOR (CHOOSE ONE):			
<input type="checkbox"/> Locomotive Idle Reduction <input type="checkbox"/> Electrified Parking Space <input type="checkbox"/> Marine Shore Power <input type="checkbox"/> Highway Idle Reduction (engine model year 2006 or older with previous verified retrofit and in combination with one or more verified engine retrofit) <input type="checkbox"/> Highway Idle Reduction (stand-alone project with engine model year 2006 or older)			
10. OLD ENGINE INFORMATION	ENGINE MODEL YEAR	BASELINE ENGINE TIER	FUEL TYPE
	NUMBER OF ENGINES	ENGINE MAKE	ENGINE MODEL
	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	FLEET UNIT NUMBER (VESSEL NAME)
	GROSS VEHICLE WEIGHT RATING (POUNDS)	NUMBER OF VEHICLES THE TECHNOLOGY WILL BE INSTALLED	
USAGE PERIOD: <input type="checkbox"/> 2018-2016 AVERAGE <input type="checkbox"/> 2018	MOST RECENT ANNUAL FUEL CONSUMPTION PER ENGINE (GALLONS)	MOST RECENT ANNUAL USE HOURS PER ENGINE, INCLUDE IDLE	TOTAL ENGINE CYLINDER DISPLACEMENT (LITERS)
	MOST RECENT ANNUAL MILES DRIVEN		
11. NEW ENGINE INFORMATION	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR
	NEW ENGINE FUEL TYPE (CHOOSE ONE):	<input type="checkbox"/> Diesel <input type="checkbox"/> CNG <input type="checkbox"/> Zero Emission (battery or fuel cell)	<input type="checkbox"/> Gasoline <input type="checkbox"/> Propane <input type="checkbox"/> Electric Generator (genset)

D. PROJECT DETAILS**AERODYNAMIC TECHNOLOGIES AND VERIFIED LOW ROLLING RESISTANCE (LRR) TIRES**

8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST	% DERA COST SHARE	% OWNER COST SHARE
	\$		
	ESTIMATED LABOR COST (IF APPLICABLE)		
	\$		
9. TYPE OF PROJECT	PROJECT DESCRIPTION (MUST BE IN COMBINATION WITH ONE OR MORE VERIFIED ENGINE RETROFIT TECHNOLOGIES FUNDED UNDER THIS PROGRAM AND INCLUDED ON THIS APPLICATION)		
	NUMBER OF LONG HAUL CLASS 8 TRUCKS TO BE RETROFITTED WITH LRR TIRES AND AERODYNAMIC FAIRINGS AND SKIRTS		
	TECHNOLOGY NAME FROM EPA'S SMART WAY VERIFIED TECHNOLOGIES LIST		

**D. PROJECT DETAILS
ENGINE REPLACEMENT**

8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST	% DERA COST SHARE	% OWNER COST SHARE
	\$		
ESTIMATED LABOR COST (IF APPLICABLE)			
\$			
9. TYPE OF PROJECT	PROJECT DESCRIPTION (ONE VEHICLE ENGINE OR EQUIPMENT ENGINE PER APPLICATION, INCLUDE VEHICLE DESCRIPTION)		
10. OLD ENGINE INFORMATION	TYPE OF ENGINE REPLACEMENT (CHOOSE ONE):		
	<input type="checkbox"/> Locomotive <input type="checkbox"/> Marine <input type="checkbox"/> Nonroad Vehicle or Equipment <input type="checkbox"/> Highway Diesel Vehicle		
	ENGINE MODEL YEAR	BASILINE ENGINE TIER	FUEL TYPE
	NUMBER OF ENGINES	ENGINE MAKE	ENGINE MODEL
ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	FLEET UNIT NUMBER (VESSEL NAME)	
USAGE PERIOD: <input type="checkbox"/> 2018-2016 AVERAGE <input type="checkbox"/> 2018	MOST RECENT ANNUAL FUEL CONSUMPTION PER ENGINE (GALLONS)	MOST RECENT ANNUAL USE HOURS PER ENGINE, INCLUDE IDLE	TOTAL ENGINE CYLINDER DISPLACEMENT (LITERS)
	MOST RECENT ANNUAL MILES DRIVEN		
11. NEW ENGINE INFORMATION	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR
	NEW ENGINE FUEL TYPE (CHOOSE ONE):		
<input type="checkbox"/> Diesel <input type="checkbox"/> Gasoline <input type="checkbox"/> CNG <input type="checkbox"/> Propane <input type="checkbox"/> Zero Emission (battery or fuel cell) <input type="checkbox"/> Electric Generator (genset)			

D. PROJECT DETAILS

VEHICLE AND EQUIPMENT REPLACEMENTS

8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST \$	% DERA COST SHARE	% OWNER COST SHARE					
9. TYPE OF PROJECT	PROJECT DESCRIPTION (ONE VEHICLE ENGINE OR EQUIPMENT ENGINE PER APPLICATION, INCLUDE VEHICLE DESCRIPTION)							
10. OLD ENGINE INFORMATION	TYPE OF VEHICLE REPLACEMENT (CHOOSE ONE): <input type="checkbox"/> Highway Vehicle <input type="checkbox"/> Nonroad Vehicle <input type="checkbox"/> Nonroad Equipment <input type="checkbox"/> Locomotive <input type="checkbox"/> Marine Vessel <input type="checkbox"/> Drayage Vehicle							
	ENGINE MODEL YEAR	BASELINE ENGINE TIER	FUEL TYPE					
	NUMBER OF ENGINES IN ENGINE GROUP	ENGINE MAKE	ENGINE MODEL					
	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	FLEET UNIT NUMBER (VESSEL NAME)					
USAGE PERIOD: <input type="checkbox"/> 2018-2016 AVERAGE <input type="checkbox"/> 2018	MOST RECENT ANNUAL FUEL CONSUMPTION PER ENGINE (GALLONS)	MOST RECENT ANNUAL USE HOURS PER ENGINE, INCLUDE IDLE	TOTAL ENGINE CYLINDER DISPLACEMENT (LITERS)					
	MOST RECENT ANNUAL MILES DRIVEN							
11. NEW ENGINE INFORMATION	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR					
	NEW ENGINE FUEL TYPE (CHOOSE ONE): <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Diesel</td> <td><input type="checkbox"/> Gasoline</td> </tr> <tr> <td><input type="checkbox"/> CNG</td> <td><input type="checkbox"/> Propane</td> </tr> <tr> <td><input type="checkbox"/> Zero Emission (battery or fuel cell)</td> <td><input type="checkbox"/> Electric Generator (genset)</td> </tr> </table>			<input type="checkbox"/> Diesel	<input type="checkbox"/> Gasoline	<input type="checkbox"/> CNG	<input type="checkbox"/> Propane	<input type="checkbox"/> Zero Emission (battery or fuel cell)
<input type="checkbox"/> Diesel	<input type="checkbox"/> Gasoline							
<input type="checkbox"/> CNG	<input type="checkbox"/> Propane							
<input type="checkbox"/> Zero Emission (battery or fuel cell)	<input type="checkbox"/> Electric Generator (genset)							

D. PROJECT DETAILS**CLEAN ALTERNATIVE FUEL CONVERSIONS**

8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST \$	% DERA COST SHARE	% OWNER COST SHARE
9. TYPE OF PROJECT	PROJECT DESCRIPTION (DISCUSS AVAILABILITY OF CONVERSION SYSTEM AND INDICATE PRE AND POST PROJECT EMISSION STANDARD LEVELS OF THE ENGINES TO DEMONSTRATE THAT THE CONVERSION RESULTS IN THE REQUIRED EMISSION BENEFIT)		
10. OLD ENGINE INFORMATION	ENGINE MODEL YEAR	BASELINE ENGINE TIER	FUEL TYPE
	NUMBER OF ENGINES	ENGINE MAKE	ENGINE MODEL
	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	FLEET UNIT NUMBER (VESSEL NAME)
USAGE PERIOD: <input type="checkbox"/> 2018-2016 AVERAGE <input type="checkbox"/> 2018	MOST RECENT ANNUAL FUEL CONSUMPTION PER ENGINE (GALLONS)	MOST RECENT ANNUAL USE HOURS PER ENGINE, INCLUDE IDLE	TOTAL ENGINE CYLINDER DISPLACEMENT (LITERS)
	MOST RECENT ANNUAL MILES DRIVEN		
11. NEW ENGINE INFORMATION	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR
	NEW ENGINE FUEL TYPE (CHOOSE ONE): <input type="checkbox"/> CNG <input type="checkbox"/> Propane <input type="checkbox"/> Other		
	NOx REDUCTION %	PM REDUCTION %	

DERA Application Instructions

The Missouri Department of Natural Resources (department) used \$323,511 of Missouri's Volkswagen (VW) Trust funds to match the U.S. Environmental Protection Agency's (EPA) base allocation for the Diesel Emission Reduction Act (DERA). Missouri's match of the grant funding resulted in earning a bonus of \$161,756. Total funding for Missouri's 2019 (FY 2020) State Clean Diesel Grant Program is \$808,778. Organizations in Missouri that own vehicles, engines, or equipment meeting eligibility requirements may apply for funding, as described in the Volkswagen Trust DERA Program Requirements.

This is a reimbursement program for diesel emission reducing projects. After the department approves projects for an Award, applicants must provide the total upfront cost for the project and fulfill all program requirements. Upon completion of the project, as described in the Volkswagen Trust DERA Program Requirements, the applicant will receive reimbursement for the amount specified in the Award.

Summary of Eligible Vehicles, Engines, and Equipment

- Buses (including school buses)
- Medium-duty or heavy-duty trucks
- Marine Engines
- Locomotives
- Non-road Equipment including:
 - Cargo Handling Equipment
 - Construction Equipment
 - Agriculture Equipment
 - Mining Equipment
 - Energy Production Equipment (stationary generators and pumps)

Specific Projects or Eligible Diesel Emission Reduction Solutions

- a. Diesel Engine Retrofit Technologies
- b. Engine Upgrades and Remanufacture Systems
- c. Clean Fuels and Additives
- d. Idle reduction Technologies
- e. Aerodynamic Technologies and Verified Low Rolling Resistance Tires
- f. Engine Replacement
- g. Vehicle and Equipment Replacements
- h. Clean Alternative Fuel Conversion

See the DERA Program Requirements for specific eligibility requirements and restrictions regarding projects. See the DERA Implementation Guidelines for award amounts.

The deadline to submit applications to the department is Oct. 30, 2019. Applications will be available online before the application period, but will not be accepted prior to Oct. 1, 2019. Applicants must submit applications by email to MOVWTeam@dnr.mo.gov.

Application Checklist:

1. Read and agree to Volkswagen Trust DERA Program Requirements.
2. Complete Application Form with accurate information, including signature.
3. Submit completed Application Form via email during the application acceptance period.

Applicants may direct all questions pertaining to this application to MOVWTeam@dnr.mo.gov. Please include in the subject line of the email, "DERA Question."

Selection Process

The department will first fund projects that are eligible under DERA, but are not eligible under other VW categories. The department will choose awardees by a lottery process. If funding remains after all projects that are not eligible for other VW Trust award categories have been funded, the department will choose unfunded projects from other award categories to fund under DERA. For the October 1 – 30 application period, unfunded categories describes those that are not open for application (i.e., school buses).

Section A. Applicant Information

Application Deadline	Oct. 30, 2019
1. Type of Applicant	Check the box that applies. If other please explain.
2. Authorized Official	Enter the contact information for the person authorized to enter into an agreement with the department.
3. Primary Contact	Enter the contact information for the main point of contact for the project (this could be the same person as authorized official). All correspondence will be sent to this contact.
4. Secondary Contact	Enter the contact information for a secondary point of contact for the project. This person will be contacted in the case that the Primary Contact is unavailable. This contact will be copied on all email correspondence.
DUNS # and Federal ID #	Enter your DUNS number or Federal ID number. Applicants can receive a DUNS number, at no cost, by calling the dedicated toll-free DUNS number request line at 1-866-705-5711 or by visiting the D&B website at: http://www.dnb.com .

Section B. Project Summary

5. General Description of Projects	Enter a brief summary of your proposed project. You may include additional relevant information about your proposed project not provided in the other application fields. Please include the total number of vehicles for which you are applying to retrofit, replace, or repower. To combine DERA Funds with other grants or programs, please provide details and expressly request approval.
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Section C. Applicant Agreement

6. Signature and Date	Sign and date in the signature field to certify that the statements and information provided in this application are true and accurate.
7. How Did You Find Out About the VW Trust Fund	Check the box that corresponds to how you found out about the VW Trust Fund. If "Other" please explain.

Section D. Project Details

Use multiple Section D forms if you are applying to repower or replace multiple vehicles or pieces of equipment. Each vehicle or piece of equipment should have a separate Section D page. Only fill out the section D page(s) that apply to your project(s).

Diesel Engine Retrofit Technologies (Emission Control Equipment) Project:

8. Funding Information	Enter the estimated total project cost associated with this retrofit technology. This should equal the sum of the DERA cost share, your cost share, and the labor cost. If combining this project with a different project, report the costs separately in each applicable section of the application form.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	
	Enter estimated labor cost if applicable.			
9. Type of Project	Enter the project description (type of vehicle).			
	Check the box containing the type of retrofit technology proposed for installation.			
	Enter the name of the retrofit technology manufacturer.	Enter the number of vehicles that will be receiving the technology selected.		
10. Old Engine Information	Enter the engine information of the old vehicle(s) that you want to retrofit. If multiple vehicles, separate by semicolon and list vehicles in the same order for each field.	Enter model year of engine	Enter baseline engine tier	Enter fuel type
		Enter number of engines (marine only)	Enter engine make	Enter engine model
		Enter engine horsepower per engine	Enter engine serial number(s)	Enter fleet unit number or vessel name
	Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018 or the 3-year average from 2016-2018.	Enter the annual average fuel consumption from period selected	Enter the annual use hours per engine including idling hours from the selected period.	Enter total engine displacement in liters
		Enter the annual miles driven from the selected period. This is NOT the odometer reading.		

Engine Upgrades and Remanufacture Systems (Locomotive and Marine) Project:

8. Funding Information	Enter the estimated total project cost. This should only include the necessary Award amount for the individual project included on this page. If combining this project with a different project, report the costs separately in each applicable section of the application form.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.
	Enter estimated labor cost if applicable.		
9. Type of Project	Enter the project description. Include the type of vehicle, its general purpose/use, and indicate the pre- and post- project emission levels demonstrating the upgrade will result in an emissions benefit.		
	Check the box corresponding to the type of upgrade that will be completed.		
	Enter the name of the manufacturer.	Enter the number of engines that will be upgraded or remanufactured in this project.	

Cleaner Fuels and Additives Project:

8. Funding Information	Enter the total estimated cost differential between the cleaner fuel/additive and conventional diesel fuel. Report the cost of the required combined project separately in each applicable section of the application form.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.
	Enter estimated labor cost if applicable.		
9. Type of Project	Enter the project description. Include the type of vehicle, its general purpose/use, and indicate the pre- and post- project emission levels demonstrating the upgrade will result in an emissions benefit.		
	Check the box corresponding to the type of project that is being completed in combination with cleaner fuels and additives.		
	Enter the name of the manufacturer.	Enter the number of vehicles that will be upgraded in this project.	

Idle Reduction Technologies Project:

8. Funding Information	Enter the estimated total project cost. This should only include the necessary Award amount for the individual project included on this page. If combining this project with a different project, report the costs separately in each applicable section of the application form.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	
	Enter estimated labor cost if applicable.			
9. Type of Project	Enter the project description (type of vehicle).			
	Check the box containing the type of technology being installed.			
	Enter the name of the technology as listed on EPA's SmartWay Verified Technologies List.			
	Check the box corresponding to the system for which the technology will be used.			
10. Old Engine Information	Enter the engine information of the old vehicle(s) that you want to retrofit. If multiple vehicles, separate by semicolon and list vehicles in the same order for each field.	Enter model year of engine	Enter baseline engine tier	Enter fuel type
		Enter number of engines (marine only)	Enter engine make	Enter engine model
		Enter engine horsepower per engine	Enter engine serial number(s)	Enter fleet unit number or vessel name
		Enter Gross Vehicle Weight Rating in pounds (on-road only)	Enter the number of vehicles on which this technology will be installed	
	Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018 or the 3-year average from 2016-2018.	Enter the annual average fuel consumption from period selected	Enter the annual use hours per engine including idling hours from the selected period.	Enter total engine displacement in liters
		Enter the annual miles driven from the selected period (on-road only). This is NOT the odometer reading.		
11. New Engine Information	Enter the engine information of system with the new technology.	Enter engine make	Enter engine model	Enter engine model year
		Check the box corresponding to the new engine fuel type		

Aerodynamic Technologies and Verified Low Rolling Resistance (LRR) Tires Project:

8. Funding Information	Enter the estimated cost of LRR tires and/or aerodynamic fairing and skirts for long haul Class 8 trucks. Report the cost of the required combined project separately in each applicable section of the application form.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.
Enter estimated labor cost if applicable.			
9. Type of Project	Enter the project description. Discuss the engine retrofit technology proposed for funding in combination with this project.		
	Enter the number of class 8 trucks that will be upgraded with LRR tires and/or aerodynamic fairings and skirts.		
	Enter the technology name as it appears on EPA's SmartWay Verified Technologies List.		

Engine Replacement Project:

8. Funding Information	Enter the estimated total project cost. This should only include the necessary Award amount for the individual project included on this page. If combining this project with a different project, report the costs separately in each applicable section of the application form.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	
	Enter estimated labor cost if applicable.			
9. Type of Project	Enter the project description. Include the type of vehicle or equipment and its general purpose/use. Only include one engine per page for this type of project.			
10. Old Engine Information	Enter the engine information of the old vehicle that you want to retrofit.	Check the box corresponding to the type of engine replacement for the vehicle listed on this page of the application.		
		Enter model year of engine	Enter baseline engine tier	Enter fuel type
		Enter number of engines (marine only)	Enter engine make	Enter engine model
		Enter engine horsepower per engine	Enter engine serial number(s)	Enter fleet unit number or vessel name
	Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018 or the 3-year average from 2016-2018.	Enter the annual average fuel consumption from period selected	Enter the annual use hours per engine including idling hours from the selected period.	Enter total engine displacement in liters
Enter the annual miles driven from the selected period. This is NOT the odometer reading.				
11. New Engine Information	Enter the engine information of system with the new technology.	Enter engine make	Enter engine model	Enter engine model year
		Check the box corresponding to the new engine fuel type		

Vehicle and Equipment Replacement Project:

8. Funding Information	Enter the estimated total project cost. This should only include the necessary Award amount for the individual project included on this page.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	
	Enter estimated labor cost if applicable.			
9. Type of Project	Enter the project description. Include the type of vehicle or equipment and its general purpose/use. Only include one vehicle or piece of equipment per page for this type of project.			
10. Old Engine Information	Enter the engine information of the old vehicle that you want to replace.	Check the box corresponding to the type of vehicle replacement.		
		Enter model year of engine	Enter baseline engine tier	Enter fuel type
		Enter number of engines	Enter engine make	Enter engine model
		Enter engine horsepower per engine	Enter engine serial number(s)	Enter fleet unit number or vessel name
	Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018 or the 3-year average from 2016-2018.	Enter the annual average fuel consumption from period selected	Enter the annual use hours per engine including idling hours from the selected period.	Enter total engine displacement in liters
	Enter the annual miles driven from the selected period. This is NOT the odometer reading.			
11. New Engine Information	Enter the engine information of system with the new technology.	Enter engine make	Enter engine model	Enter engine model year
		Check the box corresponding to the new engine fuel type		

Clean Alternative Fuel Conversions:

8. Funding Information	Enter the estimated total project cost. This should only include the necessary Award amount for the individual project included on this page. If combining this project with a different project, report the costs separately in each applicable section of the application form.	Enter the DERA cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.	Enter your cost share percentage. This can include the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for award amounts.		
9. Type of Project	Enter the project description. Include the type of vehicle or equipment and its general purpose/use. Describe how the conversion will benefit emissions.				
10. Old Engine Information	Enter the engine information of the old vehicle(s) that you want to convert to a new fuel. If multiple vehicles, separate by semicolon and list vehicles in the same order for each field.	Enter model year of engine	Enter baseline engine tier	Enter fuel type	
		Enter number of engines	Enter engine make	Enter engine model	
		Enter engine horsepower per engine	Enter engine serial number(s)	Enter fleet unit number or vessel name	
		Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018 or the 3-year average from 2016-2018.	Enter the annual average fuel consumption from period selected	Enter the annual use hours per engine including idling hours from the selected period.	Enter total engine displacement in liters
			Enter the annual miles driven from the selected period. This is NOT the odometer reading.		
11. New Engine Information	Enter the engine information of system with the new technology.	Enter engine make	Enter engine model	Enter engine model year	
		Check the box corresponding to the new engine fuel type			
		Enter the NO _x reduction percentage	Enter the PM reduction percentage		