

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

Submit completed applications by email to <u>MOVWTeam@dnr.mo.gov</u> .			
LEGAL NAME OF ORGANIZATION	TELEPHONE NUMBER WITH AREA CC	DE	
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		
TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS		
3. PRIMARY CONTACT NAME	TITLE		
TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS		
4. SECONDARY CONTACT NAME	TITLE		
TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS		
DUNS #	FEDERAL ID #		
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 p Lagrage to the Enderel Discol Emissions Reduction Act (DERA) Program R	roject while awaiting reimbursem	ent from the dep	artment.
	equirements and applicable rede	an requirements	».
6. SIGNATURE		DATE	
MO 780-2886 (09-19)			

D. PROJECT DETAIL	S			
DIESEL ENGINE RET			PMENT)	
8. FUNDING		% DERA COST SHARE		% OWNER COST SHARE
INFORMATION				
	\$			
9. TYPE OF PROJECT	PROJECT DESCRIPTION (TRACTOR TRAILER, SCHC	OL BUS, ETC.)		
	TYPE OF TECHNOLOGY (CHOOSE	ONE): DOCs	s 🗌 DPFs 🗌 C	CVs
	MANUFACTURER NAME		NUMBER OF VEHICLES	THE TECHNOLOGY WILL BE INSTALLED
	ENGINE MODEL YEAR	BASELINE ENGINE TIE	R	FUEL TYPE
	NUMBER OF ENGINES	ENGINE MAKE		ENGINE MODEL
10. OLD ENGINE				
INFORMATION				
	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUME	BER(S)	FLEET UNIT NUMBER (VESSEL NAME)
USAGE PERIOD	MOST RECENT ANNUAL FUEL CONSUMPTION	MOST RECENT ANNU	AL USE HOURS PER	TOTAL ENGINE CYLINDER DISPLACEMENT
2018-2016 AV/ERAGE	PER ENGINE (GALLONS)	ENGINE, INCLUDE IDL	E	(LITERS)
2018				
	MOST RECENT ANNUAL MILES DRIVEN			

D. PROJECT DETAIL ENGINE UPGRADES	S AND REMANUFACTURE SYSTEMS	(LOCOMOTIVE A	ND 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 ON	IE): Verified Er Locomotiv	ngine Retrofit 🛛 🗌 e Full Certified Eng	Certified Remanufacture System
	MANUFACTURER NAME		NUMBER OF VEHICLES	THE TECHNOLOGY WILL BE INSTALLED

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D. PROJECT DETAIL	5			
CLEANER FUELS AN	ID 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): Uverified Engine Retrofit			
		🗌 Engine Upg	grade	
		Certified Er	ngine Replacemen	ıt
		Certified Ve	ehicle/Engine Repl	lacement
	MANUFACTURER NAME		NUMBER OF VEHICLES	THE TECHNOLOGY WILL BE INSTALLED

D. PROJECT DETAIL			
		% DERA COST SHARE	% OWNER COST SHARE
	\$		
	ESTIMATED LABOR COST (IF APPLICABLE)		
	\$		
PROJECT			
	A william Deven Units and Consector Cate		
		6	
	Electrified Parking Spaces (Truc	k Stop Electrification)	
	Fuel Operated Heaters		
	Shore Connection Systems and	Alternative Maritime Power	
	Shore Connection Systems for L	ocomotives	
	Automatic Shutdown/Start-up Sy	stems for Locomotives	
	TECHNOLOGY NAME FROM EPA'S SMARTWAY VE	RIFIED TECHNOLOGIES LIST	
	SYSTEM USED FOR (CHOOSE ON	IE):	
	Locomotive Idle Reduction		
	Electrified Parking Space		
	☐ Marine Shore Power		
		model year 2006 or older with previou	is verified retrofit and in combination
	with one or more verified engine retrefit)		
	With one of more venified engine reliant with ansing model visor 2000 or older)		
		ione project with engine model year 2	
	ENGINE MODEL YEAR	BASELINE ENGINE TIER	FUEL TYPE
	NUMBER OF ENGINES		
10. OLD ENGINE	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	ELEET LINIT NUMBER (VESSEL NAME)
INFORMATION			
	GROSS VEHICLE WEIGHT RATING (POUNDS)	NUMBER OF VEHICLES THE TECHNOLOGY	
		WILL BE INSTALLED	
	MOST RECENT ANNUAL FUEL CONSUMPTION	MOST RECENT ANNUAL USE HOURS PER	TOTAL ENGINE CYLINDER DISPLACEMENT
	PER ENGINE (GALLONS)	ENGINE, INCLUDE IDLE	(LITERS)
2018-2016 AVERAGE			
2018			
	MOST RECENT ANNUAL MILES DRIVEN		
	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR
11 NEW ENGINE			
INFORMATION			
_	(CHOOSE ONF).		
	(Zero Emission (battery or fuel cel	I) 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 T	O BE RETROFITTED WITH LRR TIRES AND A	ERODYNAMIC FAIRINGS AND SKIRTS
	TECHNOLOGY NAME FROM EPA'S SMART W	AY VERIFIED TECHNOLOGIES LIST	
MO 780-2886 (09-19)	•		

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ENGINE REPLACEM	ENT		
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 OF	R EQUIPMENT ENGINE PER APPLICATION, INCLUDE	VEHICLE DESCRIPTION)
	TYPE OF ENGINE REPLACEMENT	Locomotive	Marine
	(CHOOSE ONE):	Nonroad Vehicle or Equipm	ent 🔲 Highway Diesel Vehicle
	ENGINE MODEL YEAR	BASELINE ENGINE TIER	FUEL TYPE
INFORMATION	NUMBER OF ENGINES	ENGINE MAKE	ENGINE MODEL
	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	FLEET UNIT NUMBER (VESSEL NAME)
USAGE PERIOD:	MOST RECENT ANNUAL FUEL CONSUMPTION PER ENGINE (GALLONS)	MOST RECENT ANNUAL USE HOURS PER ENGINE, INCLUDE IDLE	TOTAL ENGINE CYLINDER DISPLACEMENT (LITERS)
2018-2016 AVERAGE			
2018			
	MOST RECENT ANNUAL MILES DRIVEN		
	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR
11. NEW ENGINE			
INFORMATION	NEW ENGINE FUEL TYPE	Diesel	Gasoline
	(CHOOSE ONE):		Propane Propane
		Zero Emission (battery or fuel cell)	Electric Generator (genset)

D. PROJECT DETAIL	S PMENT REPLACEMENTS		
8. FUNDING INFORMATION	ESTIMATED TOTAL PROJECT COST	% DERA COST SHARE	% OWNER COST SHARE
9. TYPE OF PROJECT	PROJECT DESCRIPTION (ONE VEHICLE ENGINE OF	R EQUIPMENT ENGINE PER APPLICATION, INCLUDE	VEHICLE DESCRIPTION)
10. OLD ENGINE INFORMATION	TYPE OF VEHICLE REPLACEMENT Highway Vehicle Nonroad Vehicle Nonroad Equipment Locomotive Marine Vessel Drayage Vehicle ENGINE MODEL YEAR NUMBER OF ENGINES IN ENGINE GROUP ENGINE HORSEPOWER PER ENGINE	CHOOSE ONE): BASELINE ENGINE TIER ENGINE MAKE ENGINE SERIAL NUMBER(S)	FUEL TYPE ENGINE MODEL FLEET UNIT NUMBER (VESSEL NAME)
USAGE PERIOD: 2018-2016 AVERAGE 2018	MOST RECENT ANNUAL FUEL CONSUMPTION PER ENGINE (GALLONS) MOST RECENT ANNUAL MILES DRIVEN	MOST RECENT ANNUAL USE HOURS PER ENGINE, INCLUDE IDLE	TOTAL ENGINE CYLINDER DISPLACEMENT (LITERS)
11. NEW ENGINE	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR
INFORMATION	NEW ENGINE FUEL TYPE	Diesel CNG Zero Emission (battery or fuel cell)	Gasoline Propane 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 C THE ENGINES TO DEMONSTRATE THAT THE CONV	OF CONVERSION SYSTEM AND INDICATE PRE AND /ERSION RESULTS IN THE REQUIRED EMISSION BE	POST PROJECT EMISSION STANDARD LEVELS OF INEFIT)
	ENGINE MODEL YEAR	BASELINE ENGINE TIER	FUEL TYPE
10. OLD ENGINE INFORMATION	NUMBER OF ENGINES	ENGINE MAKE	ENGINE MODEL
	ENGINE HORSEPOWER PER ENGINE	ENGINE SERIAL NUMBER(S)	FLEET UNIT NUMBER (VESSEL NAME)
USAGE PERIOD: 2018-2016 AVERAGE 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		
	ENGINE MAKE	ENGINE MODEL	ENGINE MODEL YEAR
11. NEW ENGINE INFORMATION	NEW ENGINE FUEL TYPE (CHOOS	SE ONE): 🗌 CNG 🗌 Propane 🗌	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.

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Summary of Eligible Vehicles, Engines, and Equipment

- Buses (including school buses)
- Medium-duty or heavy-duty trucks
- Non-road Equipment including:
- Cargo Handling Equipment

Marine Engines

Construction EquipmentAgriculture Equipment

Locomotives

- 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 <u>MOVWTeam@dnr.mo.gov</u>. 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 that are not open for application (i.e., school buses).

Section III 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: <u>http://www.dnb.com</u> .

Section A. Applicant Information

Section B. Project Summary

5. General Description of	Enter a brief summary of your proposed project. You may
Projects	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.

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	Check the box that corresponds to how you found out about
About the VW Trust Fund	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).

8. Funding Information	Enter the estimated total project cost associated wit this retrofit technology. The should equal the sum of the DERA cost share, your co- share, and the labor cost. I combining this project wit different project, report the costs separately in each applicable section of the application form. Enter estimated labor cost	Enter the DERA h percentage. Thi nis the percentage a monetary value st DERA Impleme f Guidelines and h a Program Requir e award amounts		A cost share is can include and the See the entation DERA rements for	Enter yo percenta the perc monetar DERA I Guidelin Program award a	our cost share age. This can include entage and the ry value. See the implementation nes and DERA n Requirements for mounts.		
9. Type of	Enter the project description	on (typ	e of vehicle).					
Project	Check the box containing the type of retrofit technology proposed for installation.							
	Enter the name of the retro manufacturer.	ofit tec	hnology	Enter the number of vehicles that vectoring the technology selected.		icles that will be selected.		
10. Old Engine Information	Enter the engine E information of the old c		model year gine	Enter baseline engine tier		Enter fuel type		
Information	vehicle(s) that you want to retrofit. If multiple vehicles, separate by semicolon and list vehicles in the same order for each field.	Enter number of engines (marine only)		Enter engine make		Enter engine model		
		Enter horse engin	e engine Enter engine se power per number(s) ne		erial	Enter fleet unit number or vessel name		
	Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018	Enter avera consu perio	the annual age fuel amption from d selected	Enter the annua hours per engin including idlin from the select period.	al use ne g hours ed	Enter total engine displacement in liters		
	or the 3-year average from 2016-2018.	Enter miles the se This odom	the annual driven from elected period. is NOT the neter reading.					

Diesel Engine Retrofit Technologies (Emission Control Equipment) Project:

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

9 Eunding	Enter the estimated total	Enter the DED	A goot chora	Enter your cost share
8. Funding	Enter the estimated total	Enter the DEK	A cost share	Enter your cost share
Information	project cost. This should only	percentage. Th	is can include	percentage. This can include
	include the necessary Award	the percentage	and the	the percentage and the
	amount for the individual	monetary value	e. See the	monetary value. See the
	project included on this page.	DERA Implem	entation	DERA Implementation
	If combining this project with	Guidelines and	DERA	Guidelines and DERA
	a different project, report the	Program Requi	irements for	Program Requirements for
	costs separately in each	award amounts	5.	award amounts.
	applicable section of the			
	application form			
	Enter estimated labor cost if ap	plicable.		
9. Type of Project	Enter the project description. In	clude the type o	f vehicle, its gen	eral purpose/use, and indicate
JI JI	the pre- and post- project emiss	ion levels demo	nstrating the ung	rade will result in an emissions
	honofit		instructing the upp	
	benefit.			
	Check the box corresponding to	o the type of upg	rade that will be	completed.
	Enter the name of the manufacturer. Enter the number of engines			
			upgraded or re	manufactured in this project.

Cleaner Fuels and Additives Project:

8. Funding	Enter the total estimated cost	Enter the DER	A cost share	Enter your cost share		
Information	differential between the	percentage. Th	is can include	percentage. This can include		
	cleaner fuel/additive and	the percentage	and the	the percentage and the		
	conventional diesel fuel.	monetary value	e. See the	monetary value. See the		
	Report the cost of the	DERA Implem	nentation	DERA Implementation		
	required combined project	Guidelines and	l DERA	Guidelines and DERA		
	separately in each applicable	Program Requ	irements for	Program Requirements for		
	section of the application	award amounts	5.	award amounts.		
	form.					
	Enter estimated labor cost if ap	plicable.				
9. Type of	Enter the project description. Include the type of vehicle, its general purpose/use, and indicate					
Project	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 manufac	the manufacturer.		per of vehicles that will be is project.		

Idle Reduction Technologies Project:

8. Funding Information	Enter the estimated total project cost. This should of include the necessary Awa amount for the individual project included on this pa If combining this project we a different project, report costs separately in each applicable section of the application form. Enter estimated labor cost	only ard age. with the	Enter the DER. percentage. The the percentage monetary value DERA Implem Guidelines and Program Requi award amounts	A cost share is can include and the e. See the entation DERA rements for	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	Enter the project description	on (typ	e of vehicle).			
Floject	Check the box containing	the typ	e of technology	being installed.		
	Enter the name of the tech	nnology	as listed on EP	A's SmartWay V	Verified T	echnologies List.
	Check the box correspond	ling to t	the system for v	which the technol	ogy will l	be used.
10. Old Engine	Enter the engine	Enter	model year	Enter baseline engine		Enter fuel type
Information	Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018	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 Vehic Ratin (on-re	r Gross cle Weight ng in pounds oad only)	Enter the number of vehicles on which this technology will be installed		
		Enter avera consu perio	the annual age fuel amption from d selected	I Enter the annua hours per engine om including idling from the selecte period.		Enter total engine displacement in liters
	or the 3-year average En from 2016-2018. mi the (or Th od		the annual driven from elected period oad only). is NOT the neter reading.			
11. New Engine Information	Enter the engine information of system	Enter	engine make	Enter engine m	nodel	Enter engine model year
	with the new technology.	Chec	Check the box corresponding to the new engine fuel type			

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

8. Funding	Enter the estimated cost of	Enter the DERA cost share	Enter your cost share			
Information	LRR tires and/or	percentage. This can include	percentage. This can include			
	aerodynamic fairing and skirts for long haul Class 8 trucks. Report the cost of the required combined project separately in each applicable	the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for	the percentage and the monetary value. See the DERA Implementation Guidelines and DERA Program Requirements for			
	section of the application	award amounts.	award amounts.			
	form.					
	Enter estimated labor cost if applicable.					
9. Type of Project	of Enter the project description. Discuss the engine retrofit technology proposed for funding i combination with this project.					
Enter the number of class 8 trucks that will be upgraded with LRR tires and/or aer 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 of include the necessary Awa amount for the individual project included on this pa If combining this project of a different project, report to costs separately in each applicable section of the application form. Enter estimated labor cost	Enter the DERA of percentage. This of the percentage and monetary value. S DERA Implement Guidelines and DI Program Requirer award amounts.	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 purpose/use. Only include	on. Include the type of ve one engine per page for	hicle or equip this type of pr	ment and oject.	its general		
10. Old Engine Information	Enter the engine information of the old	Check the box correspo the vehicle listed on this	nding to the ty s page of the a	ype of eng	gine replacement for		
	vehicle that you want to retrofit.	Enter model year of Enter baseline engine tier		ne	Enter fuel type		
		Enter number of engines (marine only)	Enter engine	e 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	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		
	or the 3-year average from 2016-2018.	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	Enter engine make	Enter engine	e model	Enter engine model year		
	with the new technology.	Check the box correspo	e fuel type				

Vehicle and Equipment Replacement Project:

-								
8. Funding Information	Enter the estimated total project cost. This should of include the necessary Awa amount for the individual project included on this particular Enter estimated labor cost	Enter the DERA percentage. This ard the percentage a monetary value. age. DERA Impleme Guidelines and Program Requir award amounts.		A cost shareEnter yos can includepercentaand thethe percentaand thethe percenta. See themonetarentationDERA IDERAGuidelingrements forProgram.award an		bur cost share age. This can include entage and the y value. See the implementation hes and DERA h Requirements for mounts.		
9. Type of	Enter the project descripti	on. In	clude the type of	vehicle or equip	ment and	ment and its general		
10 Old Engine	Finter the engine	Che	ck the box corres	sponding to the t	vne of vet	nis type of project.		
Information	information of the old vehicle that you want to	Ente of e	er model year ngine	Enter baseline engine		Enter fuel type		
	replace.	Ente engi	er number of	Enter engine make		Enter engine model		
		Ente hors engi	er engine sepower per ine	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	Ente avei cons peri	er the annual rage fuel sumption from od selected	Enter the annu- hours per engin including idlin from the select period.	al use ne g hours ed	Enter total engine displacement in liters		
	or the 3-year average from 2016-2018.		er the annual es driven from selected period. s is NOT the meter reading.					
11. New Engine Information	Enter the engine information of system	Ente	er engine make	Enter engine m	odel	Enter engine model year		
	with the new technology.	Check the box corresponding to the new engine fuel type				e fuel type		

Clean Alternative Fuel Conversions:

8. Funding Information	Enter the estimated total project cost. This should of include the necessary Awa amount for the individual project included on this pa If combining this project of a different project, report costs separately in each applicable section of the application form.	only ard age. with the	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 yo percenta the perc monetar DERA I Guidelin Program award a	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	purpose/use. Describe how	on. In v the o	clude the type of conversion will b	venicle of equi	ns.	its general	
10. Old Engine Information	Enter the engine information of the old	Enter model year of engine		Enter baselin tier	ne engine	Enter fuel type	
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. Select the usage period reported - Applicants may either report annual fuel consumption and usage hours from 2018	vehicle(s) that you want to convert to a new fuel.	Enter number of engines		Enter engine make		Enter engine model	
	If multiple vehicles, separate by semicolon and list vehicles in the same order for each field.	Ente hors engi	er engine epower per ne	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	Ente aver cons perio	er the annual age fuel sumption from od selected	Enter the annual use hours per engine including idling hours from the selected period.		Enter total engine displacement in liters	
	or the 3-year average Enternation 2016-2018. The Third odo		er the annual s driven from selected period. is NOT the neter reading.				
11. New Engine Information	Enter the engine	Ente	er engine make	Enter engine	model	Enter engine model vear	
	with the new	Check the box corresponding to the new engine fuel type					
	technology.	Ente perc	Enter the NO _x reduction E percentage			Enter the PM reduction percentage	