



Department of Environment, Great Lakes, and Energy  
Fuel Transformation Program  
Volkswagen State Mitigation Trust

**Freight Switchers, Ferries and Tugs,  
and Great Lakes Shore Power Grants**

**Grant Proposal Cover Sheet**

<b>Project Name:</b>		
<b>Grant Amount: \$</b>	<b>Match Amount: \$</b>	<b>Project Total: \$</b>
<b>Estimated Project Start Date:</b>		<b>Project End Date:</b>

<b>Name of Organization/Applicant:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Name/Title of Project Manager:</b>		
<b>Manager Phone Number:</b>	<b>Manager Fax Number:</b>	
<b>Organization E-Mail Address:</b>		
<b>Manager E-Mail Address:</b>		
<b>Federal ID Number (Required):</b>		
<b>Applicant Type (Check appropriate box):</b> <input type="checkbox"/> <b>Government (Public)</b> <input type="checkbox"/> <b>Non-Government (Private)</b>		

**What type of Project is this?**

- Freight Switchers**
- Ferries**
- Tugs**
- Shore Power**

**Name of Freight Switcher, Ferry, Tug, or Shore Power System Owner and Phone Number**

**Owner Name:**

**Owner Phone Number:**

**What county will freight switcher(s) or shore power system be located?**

**List counties tug or ferry will operate and/or port(s) location:**

**Are any of the counties listed in this project in one or more priority area? (Check all that apply)**

- Allegan     Berrien     Livingston     Macomb     Monroe     Muskegon  
 Oakland     St. Clair     Washtenaw     Wayne

**Are any of the counties listed in this project in one or more urban county? (Check all that apply)**

- Bay     Berrien     Calhoun     Clinton     Eaton     Genesee     Ingham  
 Jackson     Kalamazoo     Kent     Lapeer     Livingston     Macomb  
 Midland     Monroe     Muskegon     Oakland     Ottawa     Saginaw  
 St. Clair     Washtenaw     Wayne

**Are any of the counties listed in this project designated high asthma burden? (Check all that apply)**

- Eaton     Genesee     Jackson     Kent     Macomb  
 Oakland     Saginaw     St. Clair     Washtenaw     Wayne

Is your project located in an Environmental Justice Area? (self identify) Yes  No

The individual signing below certifies that they are authorized to sign this application on behalf of their agency and has the authority to accept a grant. The individual also agrees that the following requirements are and will be met:

1. The old freight switcher, ferry or tug must be currently operating and performing its intended function. Old/existing freight switchers, ferries or tugs must have operated in the geographic area described in this application and the new freight switcher, ferry or tug must continue to operate in this same geographic area.
2. Any freight switcher, ferry or tug proposed to be disabled in this project was in use 24 months immediately prior to the date of application.

Signature:

\_\_\_\_\_

Date: \_\_\_\_\_

Name/Title:

Agency Name:



## Freight Switchers, Ferries and Tugs, and Great Lakes Shore Power Grants

### Grant Proposal Template

<b>Project Name:</b>
<b>Name of organization/applicant:</b>

#### A. Project Narrative

**Freight Switchers:** In the box provided on the following page, provide the following information.

- The tier of the existing engine(s) and how many hours each engine operates per year.
- Whether the project will involve repowering or replacement of a freight switcher.
- The type of technology chosen for the new engine/switcher (electric, hydrogen, alt fuel, diesel).  
Note: The technology must be certified to meet the applicable EPA emissions standards (or other more stringent equivalent State standard as published in the CFR for the engine model year in which the eligible freight switcher repower or replacement occurs.
- How, when, and where the freight switcher will be used. NOTE: The new or repowered freight switcher must operate in the same or similar location as the old one that is being replaced.
- Technology and/or procedures the applicant will use to track and ensure that the freight switcher will be maintained in accordance with manufacturer specifications.
- For alternative-fueled and electric engines, the availability of the alternative fuel or electric charging in the areas where freight switcher will operate.
- If the applicant has the financial resources to cover the cost of the repower or replacement until reimbursement from the grant is approved.

**Ferries and Tugs:** In the box provided on the following page, provide the following information.

- The tier of the existing engine(s).
- Description of the new engine i.e., all-electric, alternate or diesel (including the tier) or if it will be upgraded with an EPA Certified Remanufacture System or an EPA Verified Engine Upgrade.
- The percent of time the ferry or tug operates in Michigan waters.
- Description of the route and how the repowered tug or ferry boat will be used.
- Technology and/or procedures the applicant will use to ensure that the repowered tug or ferry boat will be operated within Michigan at least 60 percent of the time.



- Technology and/or procedures the applicant will use to track and ensure that the repowered tug or ferry boat will be maintained in accordance with manufacturer specifications.
- For alternative-fueled and electric engines, the availability of the alternative fuel or electric charging in the areas where tug or ferry boat will most frequently operate.
- If the applicant has the financial resources to cover the cost of the repower of the tug or ferry boat until reimbursement from the grant is approved.

**Great Lakes Shore Power:** In the box provided on the following page, provide an explanation of:

- Describe the shore power system to be installed. Note: Components of such systems eligible for reimbursement are limited to cables, cable management systems, shore power coupler systems, distribution control systems and power distribution. Marine shore power systems must comply with international shore power design standards (International Organization for Standardization (ISO)/ International Electrotechnical Commission (IEC)/ Institute of Electrical and Electronics Engineers (IEEE) 80005-1-2012 High Voltage Shore Connection Systems or the IEC/Publicly Available Specification (PAS) 80005-3:2014 Low Voltage Shore Connection Systems) and should be supplied with power sourced from the local utility grid.
- How, when and where the shore power will be used.
- Information about the fleet of vessels that has, or will have, the ability to use the shore-side connection system.
- The estimated annual number of ship visits to berth where the shore power system is to be installed.
- The average hoteling (or idling) time per visit.
- Technology and/or procedures the applicant will use to track shore power usage.
- Technology and/or procedures the applicant will use to track and ensure that the shore power equipment will be maintained in accordance with manufacturer specifications.

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for the user to write a project narrative.

A. Project Narrative

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for a project narrative.

A. Project Narrative (Continued)

**B. Performance Measures**

The applicant should develop performance measures for tracking and reporting progress toward completing their project on schedule.

The description of performance measures should address the following:

- How progress toward purchasing new and disabling old engines and equipment will be tracked.
- How oversight of project partners' work on the project will be conducted. (If applicable)
- How will project information be made available to the public.



### C. Project Staff and Partner Roles and Responsibilities

Use Table 1 below to list project staff, their title, affiliated organization, and their role/responsibility with the project. (Maximum of 15)

Name of Project Staff	Title of Staff	Organization	Role/Responsibility

Table 1



### C. Timeline

Use the table below to enter a timeline of project tasks and the person(s) responsible to complete each task as applicable. Note that any person listed in the timeline must also be listed in Table 1 above.

Month/Year	Task	Person Responsible	Deliverable
	Order engines and/or equipment for freight switchers, tugs, ferries, or shore power		Invoices
	Install infrastructure (if applicable)		Invoices
	Receive and pay for engines and/or equipment		Proof of payment (cancelled check)
	Permanent decommission of old freight, tug or ferry engine(s)		Photos and other required documentation
TBD per grant agreement	Complete and submit semi-annual report(s)		Semi-annual report
	Request 1 <sup>st</sup> reimbursement		Reimbursement request documentation
	Any remaining reimbursement and final report. (Finish Project)		Final Report/ reimbursement documentation

Table 2

### D. Previous Grant Experience

Using table 3 below, if applicable, enter the information requested regarding past grant experience. Enter up to three examples

Name of Previous Grant Project	Start and End Date of Grant	Name of Grantor/Agency	Grant Amount

Table 3

## E. Sustainable Tracking

Provide a short description of any active participation in sustainable programs or use of tools associated with tracking, measuring, documenting, data sharing or benchmarking environmental footprints. Examples include but are not limited to fuel consumption and emissions accounting and reporting, previous route planning or route analysis to maximize efficiency.

*E. Sustainable Tracking*

EPA’s SmartWay Transport Partnership helps companies and organizations achieve their freight supply chain sustainability goals by providing credible tools, data, and standards—at no cost—for measuring, benchmarking, and improving environmental performance. Freight shippers, carriers, logistics companies and other stakeholders partner with EPA to measure, benchmark and improve logistics operations, helping companies save fuel, lower costs and reduce adverse environmental impacts.<sup>1</sup> [Learn how to participate in SmartWay](#)

If you are a freight shipper, carrier, logistics company or other stakeholder do you participate in EPA’s SmartWay Transport Partnership?

Yes

No

<sup>1</sup>Applicants or potential grantees are not required but encouraged to participate in environmental performance programs, such as EPA’s SmartWay Transport Partnership.



**Department of Environment, Great Lakes, and Energy  
Fuel Transformation Program  
Volkswagen State Mitigation Trust**

**Freight Switchers, Ferries and Tugs, and  
Great Lakes Shore Power Grants**

**Checklist for Grant Proposal Submission**

- Grant Proposal Cover Sheet (page 1-2 of the proposal) signed by grant acceptance authority.
- Grant Project Proposal Template
- Budget Form: Your budget must be completed to fulfill the budget requirement of your proposal. Alternate budget forms will not be considered. Applications that request grant funds that exceed the maximum percent allowed for the technology selected will not be accepted.
- Complete Fleet Data Sheet (Enter required data using the appropriate tab: Marine, Locomotive or Shore Power)  
  
Signed Letters of Commitment from applicant and all project partners on agency letterhead. Letters of Commitment that are not on agency letterhead will not be accepted.
- Applicants requesting \$500,000 or more in grant dollars, must provide a copy of a full successful audit that was completed by a Certified Public Accountant within two years prior to application.
  
- Include the Following Documents for Freight Switchers
  - Documentation of the road number or identification number, engine model year, tier and engine horsepower, including a photo of the engine plate for the engine(s) being retired.
  - Documentation of the number of hours in operation for a recent calendar year.
  
- Include the Following Documents for Ferries and Tugs
  - Documentation of the engine model year, tier, serial or identification numbers and engine size, including a photo of the engine plate for the engine(s) being retired
  - Photo of the Hull Identification Number
  - Documentation of the number of hours in operation for a recent calendar year
  
- Email the entire proposal in one PDF file that contains the complete grant application with subject line stating Part 2 and the name of the applicant to [EGLE-FTP-VW@michigan.gov](mailto:EGLE-FTP-VW@michigan.gov). Proposals sent in more than one file may not be accepted.
- Application Schedule:  
Applications for Part 2 will be accepted and evaluated according to the following schedule  
February 23, 2002, through September 23, 2022

EGLE reserves the right to adjust the dates listed above, for whatever reason it deems appropriate