

**STATE OF NEW JERSEY**  
**Department of Environmental Protection**



**PROJECT SOLICITATION**  
**LION8**



To Whom It May Concern,

The Morris County Municipal Utilities Authority (MCMUA) appreciates the opportunity to present our response for the grant funding opportunity with the New Jersey Volkswagen Environmental Mitigation Trust Program. We look forward to being selected for two (2) all-electric Rear-Load Refuse Vehicles. The MCMUA is responding to this Project Solicitation with the hope to accelerate adoption and deployments of zero-emissions vehicles in New Jersey; thus, improving the lives of the citizens of Morris County and within the State of New Jersey.

Morris County is nestled amid rolling hills, broad valleys and glittering lakes, approximately 30 miles northwest of New York City. It is New Jersey's seventh largest county. Based in Randolph, New Jersey, the MCMUA provides a variety of programs and services which benefit all of Morris County. The economies of scale afforded by County-level management and delivery of services results in significant cost savings and efficiencies over duplicative municipal services. These services include an extensive county park system, a county library, training for police, fire and other emergency services personnel, mosquito control, job training and retraining, a county bus system, to list just a few. The MCMUA has been designated as the implementing agency for the Morris County Solid Waste Management Plan to act as Morris County's environmental resource. MCMUA services include regional curbside recycling collection, which is the purpose of this application, to reduce our carbon footprint with respect to providing this collection service. Additionally, the MCMUA provides county-wide services including managing Morris County disposal system, household hazardous waste programs, vegetative waste compost sites, recycling planning, litter clean ups, environmental education and more. The MCMUA achieves state mandated 50% MSW recycling goals and applying for this grant will help the MCMUA begin our migration of our current fleet from diesel to renewable energy trucks. As the MCMUA provides many educational programs throughout the County, this would provide a wonderful promotional opportunity educating the public on the value of clean energy vehicles.

For the deployment of our all-electric Rear-Load Refuse Vehicles, the MCMUA will be partnering with The Lion Electric Co. (Lion), Lion's authorized dealer and Clipper Creek – charging infrastructure vendor, to supply our region with all our fleet electrification needs.

To date, The Lion Electric Co. has over 300 electric heavy-duty vehicles deployed in North America with 6,000,000 proven and drive miles on its current batteries, electric components and heavy-duty chassis. Today, Lion also has the manufacturing capacity to build 1,000 trucks annually. Designing, building and delivering electric heavy-duty vehicles is Lion's daily mandate; their experience and success will reflect on the MCMUA, through measurable performance, real-life client references, 100% on-time deliveries and way beyond the "early adopter" experience.

The MCMUA strongly supports the Volkswagen Project Solicitation and thanks the New Jersey Department of Environmental Protection for its work to date on zero-emission vehicle implementation. We hope that our response will successfully demonstrate that Morris County can fulfill New Jersey's goals by delivering and operating quality, zero-emission vehicles in a short amount of time.

We look forward to working with the New Jersey Department of Environmental Protection to implement this project.

Sincerely,

Mike Nunn  
Assistant Operations Manager  
Morris County Municipal Utilities Authority



## State of New Jersey

PHILIP D. MURPHY  
*Governor*

Department of Environmental Protection

CATHERINE R. McCABE  
*Commissioner*

SHEILA Y. OLIVER  
*Lt. Governor*

### PROJECT PROPOSAL

#### OVERALL GOAL

The State of New Jersey, as a beneficiary of the Trust established pursuant to the national Volkswagen settlement, intends to use its allocation from the mitigation trust to efficiently implement projects that reduce oxides of nitrogen (NOx) emissions in a cost effective and technically feasible manner. The implemented projects must meet the criteria of the Consent Decree. New Jersey is issuing this solicitation for project ideas to ensure a broad range of project ideas are considered.

NJDEP anticipates primarily funding pilot electrification projects, including the replacement of heavy-duty vehicles/engines such as buses, trucks, and non-road equipment in urban areas disproportionately impacted by diesel emissions, as well as electric vehicle charging/fueling infrastructure installation in strategic locations across the state.

Submissions must contain all the information outlined in the “Project Proposals” section of this document.

#### ELIGIBLE PROJECTS

A general summary is below. [Click here for comprehensive list and associated definitions.](#)

Source Category	Emission Reduction Strategy	Allowed Expenditure Amount
1. Class 8 local freight trucks & port drayage trucks	Repower and replacement	Up to 40% for repower with diesel or alternative fuel or up to 75% (up to 100% if government owned) for repower with electric. Electric charging infrastructure costs are an eligible expense.  Up to 25% for replacement with diesel or alternative fuel or up to 75% (up to 100% if government owned) for electric replacement. Electric charging infrastructure costs are an eligible expense.
2. Class 4-8 school bus, shuttle bus or transit bus	Repower and replacement	Same as row 1
3. Freight switching locomotives	Repower and replacement	Same as row 1
4. Ferries/Tugs	Repower	Same as row 1
5. Oceangoing vessels	Shorepower	Up to 25% for shore side infrastructure if non-government owned (up to 100% if government owned)

Source Category	Emission Reduction Strategy	Allowed Expenditure Amount
<b>6. Class 4-7 local freight trucks</b>	Repower and replacement	Same as row 1.
<b>7. Airport ground support equipment</b>	Repower and replacement	Up to 75% to repower or replace with electric (100% if government owned). Electric charging infrastructure costs are an eligible expense.
<b>8. Forklifts and Port Cargo Handling Equipment</b>	Repower and replacement	Up to 75% to repower or replace with electric (100% if government owned). Electric charging infrastructure costs are an eligible expense.
<b>9. Electric vehicle charging stations or hydrogen fueling stations for light duty vehicles only</b>		Up to 100% to purchase, install and maintain infrastructure if available to public at <i>government owned</i> property. Up to 80% to purchase, install and maintain infrastructure if available to public at <i>non-government owned</i> property. Up to 60% to purchase, install and maintain infrastructure at a workplace or multi-unit dwelling that is not available to the general public. Up to 33% to purchase, install and maintain infrastructure for publicly available hydrogen dispensing that is high volume or 25% for lower volume.

### PROJECT PROPOSALS (Open with Adobe Reader)

Electronic submittals are preferred and should be sent to [VWComments@dep.nj.gov](mailto:VWComments@dep.nj.gov), however paper submittals will also be accepted and should be sent to:

NJDEP  
Division of Air Quality  
Mail code 401-02E  
Trenton, NJ 08625-0420  
Attn: VW Settlement

All proposals must contain the following information; incomplete applications will not be considered. If your project is selected, you may be contacted for additional detailed information. Send questions to [VWComments@dep.nj.gov](mailto:VWComments@dep.nj.gov)



To enter information electronically, use Adobe Reader

## CONTACT INFORMATION

Applicant Name	
Applicant Address	
City, State, Zip Code	
Contact Person	
Title/Position	
Phone	
E-mail	
Owner Name	
Owner Address	
City, State, Zip Code	
Contact Person	
Title/Position	
Phone	
E-mail	

<b>PROJECT NAME</b>								
<b>PROJECT CATEGORY OR CATEGORIES</b> (choose from 1-9 in “Eligible Projects” section above)								
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	9 <input type="checkbox"/>

<b>PROJECT PRIORITY</b> Priority #                      of                      proposals If submitting more than one proposal, what is the sponsor’s priority of this proposal?
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<b>NOTE FOR CATEGORY 9 PROPOSALS</b>  If your proposal is for Category 9 (Light Duty Zero Emission Vehicle Supply Equipment), follow these instructions:  <u>Electric Vehicle stations:</u> Do not complete this form. Instead, go to <a href="#">It Pay\$ to Plug In – NJDEP’s Electric Vehicle Charging Grants Program</a> , and apply for a Charging Grant. Volkswagen funds for charging stations will be administered through <i>It Pay\$ to Plug In</i> .  <u>Hydrogen fuel cell vehicle supply equipment:</u> Complete all of the questions on this form.
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<b>PROJECT BUDGET</b> Provide total estimated project budget, include source, amount of cost share, and administrative costs if applicable:
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<b>PROJECT DESCRIPTION</b> (Briefly describe the project by completing the following questions)
Geographic area where emissions reductions will occur?
Estimated size of population benefitting from the emission reductions?
Estimated useful life of the project?
Number of engines/vehicles/vessels/equipment included in the project?
DEP will be modeling emission benefits for all projects. Please provide the necessary information below: Model Year Horsepower Annual hours of use Annual amount of fuel used
Will the project benefit one or more communities that are disproportionately impacted by air pollution? If so, please describe?
Only shovel ready projects will be considered. Please list project partners.
Estimated timeframe for implementation? Include a project timeline that identifies start and end dates, as well as the timeline for key milestones.
Demonstrated success in implementing similar projects?

If your proposed project involves alternative fuels, provide a demonstration of current or future plans to provide adequate refueling infrastructure.

Has your organization been approved to receive and expend any other grant funds related to this project? If so, please provide details.

Please provide any additional information that supports this project.

Two additional pages have been provided as supplemental space to answer any of the questions above.

Supplemental Page 1





**Fleet Spreadsheet**

**See attached**

Morris County Municipal Utilities Authority  
New Jersey Department of Environmental Protection - Volkswagen Mitigation Application  
Fleet Spreadsheet

Existing Vehicle						Replacement Vehicle				
Vehicle Number	Make/Model	Model Year	Horsepower	Annual Hours	Annual Fuel (gallons)	Replacement Model Year	Replacement Fuel Type	Replacement Cost	Charging Infrastructure	Funding Request
1	Sterling	2004	370	1,820	2,774	2021	All-electric	\$ 525,195.00	\$ 12,500.00	\$ 537,695.00
2	Sterling	2004	370	1,820	2,114	2021	All-electric	\$ 525,195.00	\$ 12,500.00	\$ 537,695.00
<b>Totals:</b>								<b>\$ 1,050,390.00</b>	<b>\$ 25,000.00</b>	<b>\$ 1,075,390.00</b>