

State of New Jersey
Department of Environmental Protection



Project Solicitation
LIONC

New Jersey Volkswagen Environmental Mitigation Trust Program

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Project Solicitation

RE: Tewksbury Township Board of Education – Electric School Bus Project

***Tewksbury Township Board of Education
173 Old Turnpike Road, Califon, NJ, 07830***

To Whom It May Concern,

The Tewksbury Township Board of Education appreciates the opportunity to present our response for the grant funding opportunity with the New Jersey Volkswagen Environmental Mitigation Trust Program. We are looking forward to being selected for two (2) all-electric Type C school buses. The Tewksbury Township Board of Education 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 our students, faculty and citizens the State of New Jersey.

Tewksbury Township is a residential community located in the northeastern portion of Hunterdon County, New Jersey. The community consists of approximately 6,100 people spread out over an area covering 31 square miles. Morris County and Somerset County border the community on the north and east. The entire thirty-one square miles are comprised of the unincorporated communities of Mountainville, Oldwick, Pottersville, Cokesbury, and Fairmount. The community is well served by its school system, which is noted for providing a great deal of individualized attention to students and for providing a curriculum that is educationally challenging and enhanced by its outreach partnerships with local institutions and organizations. The mission of the Tewksbury School District is the continual development of each child's intellectual, artistic, social, and physical abilities in a positive environment, which fosters self-esteem and a love of learning while meeting the district expectation that they will achieve the New Jersey Student Learning Standards at all grade levels.

For the deployment of our all-electric school buses, the Tewksbury Township Board of Education 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. The electric buses that we will be purchasing will travel anywhere from 90 miles per day, with an additional 40 to 50 miles on the range when bringing students to athletic events.

To date, our equipment manufacturing partner, The Lion Electric Co. has over 300 electric school buses deployed in North America, with 6,000,000 proven and driven miles on its current batteries, electric components and heavy-duty chassis. All associated performance data has been traced and documented. Designing, building and delivering electric heavy-duty vehicles is Lion's daily mandate; their experience and success will reflect on the Tewksbury Township Board of Education, through measurable performance, real-life client references, 100% on-time deliveries and way beyond the "early adopter" experience.

The Tewksbury Township Board of Education 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 the Tewksbury Township 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,

Bob Hoffman
Transportation Coordinator
Tewksbury Township Board of Education



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
6. Class 4-7 local freight trucks	Repower and replacement	Same as row 1.
7. Airport ground support equipment	Repower and replacement	Up to 75% to repower or replace with electric (100% if government owned). Electric charging infrastructure costs are an eligible expense.
8. Forklifts and Port Cargo Handling Equipment	Repower and replacement	Up to 75% to repower or replace with electric (100% if government owned). Electric charging infrastructure costs are an eligible expense.
9. Electric vehicle charging stations or hydrogen fueling stations for light duty vehicles only		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, 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

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	

PROJECT NAME																	
PROJECT CATEGORY OR CATEGORIES (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"/>

PROJECT PRIORITY	Priority #	of	proposals
If submitting more than one proposal, what is the sponsor’s priority of this proposal?			

NOTE FOR CATEGORY 9 PROPOSALS
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 It Pay\$ to Plug In – NJDEP’s Electric Vehicle Charging Grants Program , 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.

PROJECT BUDGET
Provide total estimated project budget, include source, amount of cost share, and administrative costs if applicable:

PROJECT DESCRIPTION (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

Tewksbury Township Board of Education
New Jersey Department of Environmental Protection - Volkswagen Mitigation Application
Fleet Spreadsheet

Existing Vehicle					Replacement Vehicle				
Vehicle Number	Model Year	Horsepower	Annual Hours	Annual Fuel	Replacement Model Year	Replacement Fuel Type	Replacement Cost	Charging Infrastructure	Funding Request
1	2005	210	765	2,200 gallons	2021	All-electric	\$ 404,302.00	\$ 10,000.00	\$ 414,302.00
2	2005	210	810	2,420 gallons	2021	All-electric	\$ 404,302.00	\$ 10,000.00	\$ 414,302.00
Totals:							\$ 808,604.00	\$ 20,000.00	\$ 828,604.00