

State of New Jersey Department of Environmental Protection



Project Solicitation LION & LION



KEARNY SCHOOL DISTRICT

OFFICE OF THE SUPERINTENDENT 172 MIDLAND AVENUE KEARNY, NEW JERSEY 07032 PHONE: 201-955-5021 FAX: 201-955-0544 WWW.KEARNYSCHOOLS.COM

RE: Kearny Board of Education - Electric School Bus Project

To Whom It May Concern,

The Kearny 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 one (1) all-electric Type C school bus and one (1) all-electric Type A school bus. The Kearny 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.

The Kearny Board of Education is a public-school district that provides public education for students in Pre-Kindergarten through Twelfth grade from the Town of Kearny, in Hudson County, New Jersey. The district is classified by the New Jersey Department of Education as being in District Factor Group "B", the second lowest of eight groupings. There are five elementary schools in the district, one middle school and one high school. In the Kearny Board of Education, the mission of the District is to be a diverse metropolitan "hometown" working together as a unified community, to provide unlimited opportunities that maximize everyone's potential to be a lifelong learner and a contributing member of society.

For the deployment of our all-electric school buses, the Kearny 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. These all-electric school buses will be used primarily for the transportation of our special needs students, to and from the school that best suits their needs, as well as any extra-curricular programs they are involved with. As each student is picked up and dropped off at their private place of residence, our drivers routes tend to be longer than most, since they are often crisscrossing the region to ensure the safe transportation of our students. It is our plan for the buses to also participate in our joint bus share program, which is set up with the neighboring towns of East Newark and Harrison.

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 Kearny Board of Education, through measurable performance, real-life client references, 100% on-time deliveries and way beyond the "early adopter" experience.

The Kearny Board of Education strongly supports the Volkswagen Project Solicitation and thanks the New Jersey Department of Environmental Projection for its work to date on zero-emission vehicle implementation. We hope that our response will successfully demonstrate that the Kearny Board of Education 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 Projection to implement this project.

Sincerely,

Robert Elsmore Supervisor of Plant Operations Kearny Board of Education



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 fue 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 government owned property. Up to 80% to purchase, install and maintain infrastructure if available to public at non-government owned 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 WWComments@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

To enter information electronically, use Adobe Reader

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PROJECT CATEGORY OR CATEGORIES (choose from 1-9 in "Eligible Projects" section above)								
6 7 8 9								
of proposals								
ne sponsor's priority of this proposal?								
Emission Vehicle Supply Equipment), follow								
The state of the s								
<u>Electric Vehicle stations</u> : Do not complete this form. Instead, go to <u>It Pay\$ to Plug In - NJDEP's</u> <u>Electric Vehicle Charging Grants Program</u> , and apply for a Charging Grant. Volkswagen funds for								
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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?
polition: If so, picase 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.						
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Has your organization been approved to receive and expend any other grant funds related to						
this project? If so, please provide details.						
Diagrams it and additional information that are not this ancient						
Please provide any additional information that supports this project.						

Supplemental Page 1	
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Two additional pages have been provided as supplemental space to answer any of the questions

Supplemental Page 2

Fleet Spreadsheet

See attached

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

Existing Vehicle				Replacement Vehicle								
Vehicle	Make/Model	Model	Horsepower	Annual	nual Annual Replacement Replacement Cha		Charging		Funding			
Number		Year		Hours	Fuel	Model Year	Fuel Type		Cost	Infrastructure		Request
1	International	2008	180-210	1,675	2,100 gallons	2021	All-electric	\$	273,162.00	\$ 10,000.00	\$	283,162.00
2	International	2008	220-230	1,800	2,600 gallons	2021	All-electric	\$	422,302.00	\$ 10,000.00	\$	432,302.00
							Totals:	\$	695,464.00	\$ 20,000.00	\$	715,464.00