

STATE OF NEW JERSEY
Department of Environmental Protection



PROJECT SOLICITATION
LION8



Borough of Florham Park

111 Ridgedale Avenue
Florham Park, New Jersey 07932

To Whom It May Concern,

The Borough of Florham Park 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 rear-load refuse truck. The Borough of Florham Park 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 the Borough of Florham Park, Morris County and within the State of New Jersey.

The Borough of Florham Park, often referred to as “A Community of Volunteers”, is a small suburban community, located in Southeastern Morris County, approximately 30 miles west of New York City. We are bordered on the south by Madison and Chatham Boroughs; on the north by Hanover and East Hanover Townships; on the west by Morris Township; and on the east by the Passaic River. The Borough is 7.6 square miles in size and has a population of approximately 12,605. Our residents enjoy excellent schools, a wide variety of recreational activities, a beautiful library as well as many other activities such as our Summer Gazebo Concerts and our fantastic 4th of July Parade and Fireworks Display. Florham Park’s convenient location to trains, buses, and major airports, and a friendly small-town atmosphere make it easy to understand why Florham Park is one of Morris County’s most desirable communities to live in.

For the deployment of our all-electric rear-load refuse truck, Florham Park 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. Our new all-electric rear-load refuse truck will be used for various Public Works roles throughout the community, including leaf collection, brush and limb pick-up and grass and garden debris pick-up.

To date, our equipment manufacturing partner, 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 Borough of Florham Park, through measurable performance, real-life client references, 100% on-time deliveries and way beyond the “early adopter” experience.

The Borough of Florham Park 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 Florham Park 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,

Michael H. Smith
Director of Public Works
Borough of Florham Park



State of New Jersey

Department of Environmental Protection

PHILIP D. MURPHY
Governor

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

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

Borough of Florham Park
 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	Volvo	2000	305	450	1,000	2021	All-electric	\$ 524,700.00	\$ 12,500.00	\$ 537,200.00
Totals:								\$ 524,700.00	\$ 12,500.00	\$ 537,200.00