

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

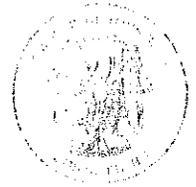


**PROJECT SOLICITATION**  
**LION8**

# TOWNSHIP OF TOMS RIVER

## County of Ocean

Toms River, New Jersey 08753



**Reply to:**  
Public Works Department  
1672 Church Road  
Toms River, New Jersey 08753

**Telephone: (732) 255-1000**

**Fax Number: (732) 255-0608**

To Whom It May Concern,

The Township of Toms River 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 automated side load refuse truck. Toms River Township 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 Toms River and within the State of New Jersey.

Toms River is a township in Ocean County, New Jersey. Formerly known as the Township of Dover, in 2006 voters approved a change of the official name to the Township of Toms River. At one time the Township referred only to the rural farming community of Toms River, a small part of the vast Township of Dover that included several other distinct settlements. In the last two decades of the twentieth century, the demographics of the Township have changed substantially, adding over 20,000 residents just in the 1990s. While the village is still the center of municipal and county government, the population in the area exploded in the decades after World War II, due in part to the completion of the Garden State Parkway. The Township is governed under the Mayor-Council form of New Jersey municipal government and is comprised of the Mayor and seven-member Township Council. Within the many services that our Township provides, our Department of Public Works manages the collection of garbage, recycling and the maintenance of public roadways and storm drains. A fleet of trucks and equipment maintained at the Public Works garage enables us to provide these services. Public Works also has a Clean Communities Division funded through the State of New Jersey to help keep the roadsides clean.

For the deployment of our all-electric Lion8 Automated Side Load Refuse Vehicle, the Township of Toms River 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, 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 Township of Toms River, through measurable performance, real-life client references, 100% on-time deliveries and way beyond the "early adopter" experience.

The Township of Toms River 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 Toms River 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,

Anthony Benyola  
Acting Director of Public Works  
Township of Toms River



# 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  |
|--|-----------------------------|---|
| <b>1. Class 8 local freight trucks &amp; port drayage trucks</b> | 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.<br><br>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. |
| <b>2. Class 4-8 school bus, shuttle bus or transit bus</b>       | Repower and replacement     | Same as row 1   |
| <b>3. Freight switching locomotives</b>                          | Repower and replacement     | Same as row 1   |
| <b>4. Ferries/Tugs</b>   | Repower                     | Same as row 1   |
| <b>5. Oceangoing vessels</b>                                     | 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.<br>Up to 80% to purchase, install and maintain infrastructure if available to public at <i>non-government owned</i> property.<br>Up to 60% to purchase, install and maintain infrastructure at a workplace or multi-unit dwelling that is not available to the general public.<br>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<br>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><br><br>If your proposal is for Category 9 (Light Duty Zero Emission Vehicle Supply Equipment), follow these instructions:<br><br><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> .<br><br><u>Hydrogen fuel cell vehicle supply equipment:</u> Complete all of the questions on this form. |
|--|

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| <b>PROJECT BUDGET</b><br>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**

Toms River Township  
 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      | 2002       | 385        | 4,950        | 1,966                 | 2021                   | All-electric          | \$ 549,700.00        | \$ 12,500.00            | \$ 562,200.00        |
| <b>Totals:</b>   |            |            |            |              |                       |                        |                       | <b>\$ 549,700.00</b> | <b>\$ 12,500.00</b>     | <b>\$ 562,200.00</b> |