

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 government owned property. Up to 80% to purchase, install and maintain infrastructure if available to public at nongovernment 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

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 www.www.new.edu.ni.gov

To enter information electronically, use Adobe Reader

CONTACT INFORMATION

Applicant Name	Township of Ocean Township	
Applicant Address	550 West Park Avenue	
City, State, Zip Code	Oakhurst, NJ 07755	
Contact Person	n Maria Mosca	
Title/Position	Transportation Director	
Phone	732.531.5600 x 1950	
E-mail	E-mail mmosca@oceanschools.org	
Owner Name	Township of Ocean Township	
Owner Address	550 West Park Avenue	
City, State, Zip Code	Oakhurst, NJ 07755	
Contact Person	Ken Jannarone	
Title/Position	Business Administrator	
Phone	Phone 732.532.5600 x 3100	
E-mail	E-mail kjannarone@oceanschools.org	
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PROJECT NAME	Electric School Buses for Ocean Township
PROJECT CATEGO	RY OR CATEGORIES (choose from 1-9 in "Eligible Projects" section above)
1 2 .	3 4 5 6 7 8 9
PROJECT PRIORITE If submitting more that	Y Priority # of proposals 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 <u>It Pay\$ to Plug In - NJDEP's</u> Electric Vehicle Charging Grants Program, and apply for a Charging Grant. Volkswagen funds for charging stations will be administered through It Pay\$ to Plug In.

Hydrogen fuel cell vehicle supply equipment: 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:

Total project budget is \$497,156 which includes pricing for two all electric Collins/Motiv school buses as well as two Clipper Creek charge stations. Ocean Township will not be requesting administrative fees and will be covering any infrastructure upgrades as well as the installation of the EVSE charge stations. The installation and infrastructure will be completed by an in-house electrician. Ocean Township School District is offering to cover the infrastructure upgrade expenses for this project and is therefore requesting 100% of the budget to be covered which includes all-electric vehicle replacements and chargers. In the case that NJ DEP has limited funding, Ocean Township is open to other funding amounts if deemed necessary.

PROJECT DESCRIPTION (Briefly describe the project by completing the following questions)

Township of Ocean School district wishes to replace 3 old Type A diesel school buses with 3 Collins/Motiv type A electric school buses. These 3 buses will be located at the high school bus depot and will provide service to the entire district as needed. The small geographical size of the district and it's routes allow for flexibility in placement.

Geographic area where emissions reductions will occur? Ocean Township

Estimated size of population benefitting from the emission reductions? 26,708 (2018)

Estimated useful life of the project? 15 years

Number of engines/vehicles/vessels/equipment included in the project? 2

DEP will be modeling emission benefits for all projects. Please provide the necessary information below:

Model Year Bus #38: 2006, Bus #23: 2006

Horsepower Bus #38: 235 hp, Bus #23: 235 hp Annual hours of use Bus #38: 900, Bus #23: 900

Annual amount of fuel used Bus #38: 6,689 GPY, Bus #23: 6,715 GPY

Will the project benefit one or more communities that are disproportionately impacted by air pollution? If so, please describe?

Ocean Township School District is located near Routes 35 and 18 which experience high levels of pollution from ongoing traffic. According to EPA's EJScreen, this project will be serving all three tiers of communities ranging from affluent communities to lower income, as well as minority communities located along Route 35. Ocean Township School is in close proximity to high traffic (83%ile), high cancer risk(81%ile), and high PM 2.5 (82%ile). The area these buses will be serving consists of 50% low income, and 70% minority according to EPA EJScreen.

Only shovel ready projects will be considered. Please list project partners.

Motiv Power Systems will provide a new electric Collins School Bus, Clipper Creek will provide a 64 Amp, Level 2 EVSE, 240V charger and Alliance Bus is the dealer for this sale.

Estimated timeframe for implementation? Include a project timeline that identifies start and end dates, as well as the timeline for key milestones.

Estimated time frame of this project is dependent upon approval awards. delivery of the electric school buses is estimated at 3-5 months after a PO is placed. Any infrastructure or EVSE installation will be completed by Ocean Township's in-house electrician before delivery of the school buses to ensure a smooth deployment.

Demonstrated success in implementing similar projects?

Township of Ocean school district has installed dozens of rooftop solar panels on both the Intermediate School and High School buildings in recent years. A total of 250 KW solar panel system on the Intermediate School roof and 135 KW solar panel system at the High School and have generated \$283,612 in solar renewable energy credits that have been sold (SRECs) with savings of approximately \$60,000 per year on our electric bills due to generation of electricity from the solar panels. Another 165 KW system on the High School is also in progress With future systems on hold due to budgetary constraints.

If your proposed project involves alternative fuels, provide a demonstration of current or future plans to provide adequate refueling infrastructure. If this pilot goes well, and electric bus prices improve over time, Ocean Twp. Schools will continue replacing fleets with electric. Their bus depot has a couple of very large electrical panels, allowing for the installation of several electric buses without the need for expensive site upgrades.
Has your organization been approved to receive and expend any other grant funds related to this project? If so, please provide details. N/A
Please provide any additional information that supports this project. Ocean Township School District serves diverse communities ranging from different economic backgrounds and varying from disadvantaged communities to affluent communities. Township of Ocean School district is committed to helping their entire community with the deployment of their first two all-electric school buses. These all-electric type A school buses will serve all parts of the district, including the most disadvantaged part of the community. The bus depot has plenty of electrical infrastructure to support a large scale EV bus deployment. Once Ocean Township proves the success and benefits of this project, they plan to reach long term goals of transitioning their fleet to zero-emission and will continue to upgrade their fleet. If awarded this project will reduce vulnerable populations in Ocean Township's exposure to diesel-related pollutants, and contribute to the School Districts savings with lower maintenance and fuel costs. The bus dealer identified in this proposal, Al Mayro of Alliance Bus, is also invested in the success of this deployment. Township of Ocean School District has a 20+ year relationship with this bus dealer. The trust they have in the service and support of the dealer cannot be overstated and it will ensure the success of this project.

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Supplemental Page 1					

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

Supplemental Page 2