



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.
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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.

Award of Excellence

awarded to

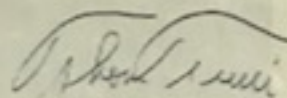
Lemcor, Inc

For Exceptional Compliance with
Reporting and Pretreatment Requirements
for the year

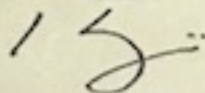
2016

presented by the

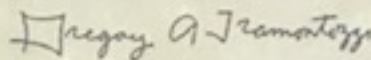
Passaic Valley Sewerage Commission



Thomas Tucci, Jr.
Chairman



Kenneth J. Lucianin
Vice Chairman



Gregory A. Tramontozzi
Executive Director

Environmental Stewardship

The New Jersey Department of Environmental Protection's
Environmental Stewardship Initiative recognizes

LEMCOR INC

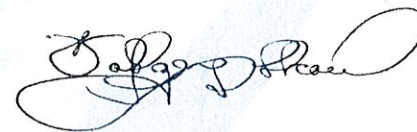
for its voluntary and proactive measures taken to go beyond compliance
in an effort to improve the environment and ensure a sustainable future.

* Participation Category

Environmental Policy
Environmental Management System
Annual Environmental Report
Greenhouse Gas Emissions Calculations
Environmental Purchasing Policy
Vendor/Supply Chain Requirements
Mentoring To Other Businesses
Community Outreach Program
Green Building Certification
Green Building Implementation
Life Cycle Assessments

Hazardous Materials Reduction
Water Use Reduction
Waste Exchange Program
Employee Trip Reduction
Process/Operations Energy Use Reduction
Transportation Energy Use Reduction
Renewable Energy Use
Environmental Enhancement Project
* Innovative Program
EPA Voluntary Programs

Date of Inspection: February 13, 2008



Wolfgang Skacel
Assistant Commissioner
Compliance & Enforcement



City of Newark, N.J.

The Newark Municipal Council
hereby issues this Resolution

Commending

LEMCOR, Inc.

In recognition of the voluntary and proactive measures implemented in order to improve the quality of the environment, the Newark Municipal Council commends LEMCOR, Inc., and acknowledges the receipt from the State of New Jersey's DEP of the Certificate of Environmental Stewardship.



Mildred C. Crump
PRESIDENT, MUNICIPAL COUNCIL

Augusto Amador
COUNCIL MEMBER

Charles A. Bell
COUNCIL MEMBER

Carlos M. Gonzalez
COUNCIL MEMBER

Oscar S. James, Jr.
COUNCIL MEMBER

Donald M. Payne, Jr.
COUNCIL MEMBER

Luis A. Quintana
VICE - PRESIDENT

Anibal Ramos, Jr.
COUNCIL MEMBER

Ronald C. Rice
COUNCIL MEMBER

Attest: Robert P. Marasco
Robert P. Marasco
City Clerk

Date: May 6, 2009



BYD CHESS

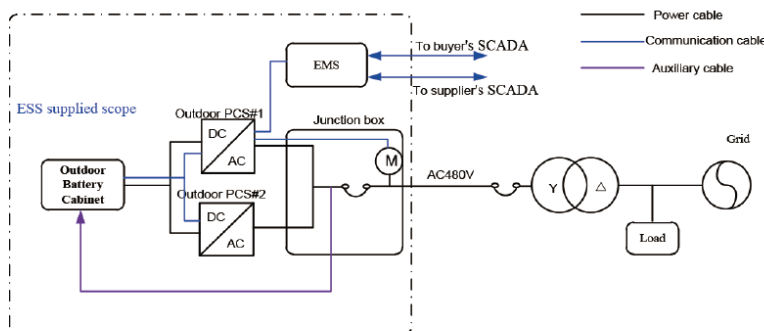
Modular Outdoor Energy Storage System

Introduction

With over 10 years of experience and more than 700MW/700MWh of delivery worldwide, BYD has been carefully watching the market and all lesson learnt. We have developed this Modular Outdoor Energy Storage System: the BYD CHESS. This system integrates BYD's signature LiFePO₄ battery and forms a self-sustaining outdoor unit. The design takes priority in safety, reliability and implements details of installation convenience.



System Topology





Technical Overview

Item	Parameter	Note
System parameter		
Discharging Power(kVA)	60/120	@AC480V
Charging Power(kVA)	60/120	@AC480V
PCS AC Side Output Energy @FAT(kWh)	240	Battery cabinet with 320Ah cell
Nominal Output Voltage(V)	AC480	
Output Voltage Range(V)	422 ~ 528	
Nominal Output Frequency(Hz)	60	
Output Frequency Range(Hz)	57 ~ 60.5	
Maximum Output Current(A)	80	
Power Factor	1(lagging)~1(leading)	
THD	< 5%	@Nominal Power
Working condition		
Ambient Temperature Range	-20°C ~ +40°C	
Permissible Ambient Humidity	5% ~ 100%	Non-condensing
Permissible Altitude	< 3000m	Derating over 2000m altitude
Other parameter		
Enclosure Protection Grade	IP55	Battery cabinet
	IP65	PCS cabinet
Seismic Grade	Zone 4	0.4g
Cooling System	Smart HVAC/forced Air cooling	
Noise	≤75dBA	@1 meter
Communication Interface	Ethernet	
Dimension WxDxH (mm)	1690×1900×2300	ESS unit
Weight(kg)	3050	ESS unit
Standard Painting Color	RAL 9003	
External Interface	AC Power Interface	1 pcs
	Communication Interface	1 pcs
	Grounding Interface	1 pcs
Standard&Certification	Battery module: UL1973	
	PCS:UL1741(SA)	
	System: UL9540	