



# Connecticut Department of Energy and Environmental Protection





# Volkswagen NOx Mitigation Program: Round 1 Selections

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December 13, 2018



Connecticut Department of Energy and Environmental Protection

# Program Structure

- Mitigation Plan submitted to Wilmington Trust (WT) on 04/26/18
- Eligible projects in CT Mitigation Plan track Appendix D-2 of Trust Agreement excluding EVSE
- \$7.5M offered for first round of solicitations; maximum allowed by trust is \$12.4M for this year
- Matching funds required for all projects
- Awardee and DEEP enter into a project implementation plan with milestones, payment from third party (WT) after project completion



# Process Summary

- Project Solicitation May 30 - July 31, 2018
- 56 proposals received, requesting \$31.7M
- 10 Proposals selected, funding \$12.2M
- Project implementation plans are being finalized for accepted projects
- Project completion by March 31, 2020
- Payment from WT; no state contracts required



# Applicants

All American Waste

Allstar paving

Atlas Concrete Products

Bemer Petroleum, Inc.

**Block Island Express**

Borough of Naugatuck

**Bozzuto's Inc.**

City of Bridgeport

City of New Haven

CT Dept. of Correction

**CT Dept. of Transportation**

DATTCO

Dean Foods

**Durham School Services**

**Eder Brothers , Inc.**

Fibre Optic Plus

**First Student, Inc.**

Globe Equipment, Co

**H.I. Stone & Son**

Hocon Gas, Inc.

**John DeGrand & Son**

Kay's Trucking

M&J Bus, Inc.

Mashantucket Pequot

Peter Carlucci Excavating

Reliable Oil & Heat

**\* Proposals Selected for funding**



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# Applicants

Simsbury Public Schools  
Student Transportation of America  
SYSCO Leasing  
The Metropolitan District  
Thimble Islands Ferry  
Town of Beacon Falls  
Town of Bozrah  
Town of Burlington  
Town of Cheshire  
Town of Greenwich  
Town of Madison  
Town of New Milford

Town of Plainville  
Town of Plymouth  
Town of Portland  
Town of Southington  
Town of Stafford Springs  
Town of West Hartford  
Town of Westport  
Trash-Away, Inc.  
**University of Connecticut**  
**USA Hauling & Recycling**  
Windsor Sanitation

\* **Projects selected for funding**



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# Evaluation Criteria

## Program Focus

- Maximize NOx reduction
- Incentivize fleet transformation
- Prioritize emission reductions in EJ communities



# Evaluation Criteria

## Connecticut Criteria:

- Annual NOx Reductions in tons
- Lifetime Cost Effectiveness \$/ton NOx reduced
- Lifetime NOx Reduced in tons
- EJ Community
- Potentially Transformative
- Cost Share above required minimum
- Nonattainment, NY/NJ/CT
- Anti-Idling Program



# Overview of Selected Projects

## 10 Projects Selected

- 2 School Bus Projects: total 52 school buses
- 2 Electric Bus Projects: total 14 buses
- 4 Commercial Truck Projects: total 51 trucks
- 1 Commercial Ferry Repower: replacing 6 engines on 1 vessel
- 1 CNG Refuse Truck Project: total 17 diesel trucks replaced by CNG trucks



# Projects Selected

## Block Island Express:

- Replace four, MY 2003, Tier 1 Propulsion engines on the *M/V Cecilia Ann* with EPA Tier 3 Certified Engines.
- Replace two, MY 2011, Tier 1 Auxiliary engines (generators) with Tier 3 equivalents.
- Award: \$971,720
- Awardee's Cost Share: \$1,457,580
- Location: New London and Long Island Sound



# Projects Selected

## **Bozzuto's Incorporated:**

- Replace 33 Class 8 MY 1999 diesel trucks (tractors) with 2019 MY diesel equivalents.
- Replace 2 Class 8 MY 2000 diesel yard tractors with 2019 diesel equivalents.
- Award: \$1,050,000
- Awardee's Cost Share: \$3,150,000
- Location: Cheshire and statewide



# Projects Selected

## CT Department of Transportation:

- Replace 12 Diesel Transit Buses with 12 Electric Transit Buses.
- Install associated charging infrastructure.
- Award: \$4,901,169
- Awardee's Cost Share: \$10,172,211
- Location: New Haven



# Projects Selected

## **Durham School Services, Stratford:**

- Replace 23 MY 2005 diesel school buses with MY 2019 equivalent diesel school buses.
- Award: \$488,553
- Awardee's Cost Share: \$1,349,086
- Location: Stratford



# Projects Selected

## Eder Brothers, Inc.:

- Replace seven, Class 7, MY 2005-2007, diesel-powered delivery trucks with MY 2020 diesel equivalents.
- Award: \$157,500
- Awardee's Cost Share: \$472,500
- Location: West Haven and statewide



# Projects Selected

## First Student, Inc.:

- Replace the 29 oldest diesel school buses in the proposal (MY 2006) with MY 2019 diesel equivalents.
- Award: \$1,674,023
- Awardee's Cost Share: \$901,397
- Location: Hartford, Middlebury/Southbury and Ellington
- This is partial funding of an initial proposal to replace 114 diesel school buses in Ellington, Hartford and Middlebury/Southbury



# Projects Selected

## H.I. Stone and Son:

- Replace seven, MY 1995-2006, Class 8 diesel trucks with MY 2019 equivalents.
- Award: \$303,200
- Awardee's Cost Share: \$909,600
- Location: Southbury and statewide



# Projects Selected

## John DeGrand & Son, Inc.:

- Replace two, Class 7, MY 2007 & 2008 diesel delivery trucks with MY 2019 equivalents.
- Award: \$61,250
- Awardee's Cost Share: \$183,75
- Location: West Haven, statewide and New England



# Projects Selected

## University of Connecticut, Storrs & Stamford:

- Replace two MY 2005 diesel shuttle buses with full electric shuttle buses.
- Install associated charging infrastructure.
- Award: \$1,378,000
- Awardee's Cost Share: \$742,000
- Location: Stamford & Storrs



# Projects Selected

## USA Hauling & Recycling:

- Replace 17 Class 8, diesel refuse trucks with 17 Class 8, CNG-powered refuse trucks.
- Award: \$1,203,250
- Awardee's Cost Share: \$3,609,750
- Location: Hartford, New Haven, Middlesex and Litchfield Counties



# Summary of Total Benefits

## From the 10 selected projects

- Annual NOx Reduction: 74.3 tons
- Lifetime NOx Reduction: 144.7 tons
- Lifetime CO2 Reductions: 7,600 tons
- Lifetime VOC Reductions: 10.3 tons
- Lifetime PM2.5 Reductions: 6.6 tons
- Cost Effectiveness, VW share: \$84,234/ton of NOx reduced



# More to Come

- Additional rounds of VW funding in the future
- Also, 15% of the available VW funds have been set aside for a future EV Infrastructure Program
- Sign up on DEEP's VW webpage to receive notification of new solicitations  
[www.ct.gov/deep/vw](http://www.ct.gov/deep/vw)



# Questions?



# Contact Us

Website: [www.ct.gov/deep/vw](http://www.ct.gov/deep/vw)

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