



July 29, 2021

Volkswagen Diesel Emissions Environmental Mitigation Trust  
for State Beneficiaries, Puerto Rico, and District of Columbia  
c/o Wilmington Trust, N.A. as Trustee  
Wilmington Trust, National Association  
Rodney Square North  
1100 North Market Street  
Attn: Capital Markets & Agency Services  
Wilmington, DE 19890

RE: State of Connecticut VW Settlement- 3<sup>rd</sup> Semiannual Report  
Reporting Period: January 1, 2021 to June 30, 2021

Dear Mr. Crane:

On January 29, 2018, Wilmington Trust (the "Trustee") filed a Notice of Beneficiary Designation with the United States District Court for the Northern District of California (the "Court"), designating Connecticut as a Beneficiary of the State Trust. As required by the Trust Agreement, Section 5.3 *Beneficiary Reporting Obligations*, beneficiaries are required to submit a semiannual report six months after initial disbursement of Trust Assets. On January 14, 2020, Connecticut's first disbursement of Trust Assets occurred; beginning Connecticut's reporting obligations to the Trustee. The State of Connecticut Department of Energy and Environmental Protection (DEEP) has collected the data relevant to reporting requirements for the six-month period of January 1, 2021 to June 30, 2021.

Enclosed with this correspondence, please find the information necessary to complete the semi-annual reporting requirement found in paragraph 5.3 of the Volkswagen Environmental Mitigation Trust Agreement for State Beneficiaries. Specifically, Connecticut's reporting obligations include:

1. The progress implementing each Eligible Mitigation Action during the six-month period leading up to the reporting date (including a summary of all costs expended on the Eligible Mitigation Action through the reporting date), and
2. The status (including actual or projected termination date), development, implementation, and any modification of each approved Eligible Mitigation Action.

DEEP is grouping all updates on approved Eligible Mitigation Actions into this single report.


Connecticut Semi-annual Report January 1 – June 30, 2021

July 29, 2021

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I attest that based on information and belief, all information contained in this report is true and correct and the submission is made under penalty of perjury. If you should have any questions on the enclosed Semi Annual Report, please do not hesitate to contact either me or Paul Kritzler at [Paul.Kritzler@ct.gov](mailto:Paul.Kritzler@ct.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Paul E. Farrell". The signature is fluid and cursive, with a large initial "P" and "F".

Paul E. Farrell  
Director  
Planning & Standards Division  
Bureau of Air Management

Attachments:

Semi-Annual Report to the Trustee  
Semi-Annual Report Summary Tables  
DERA Quarterly Reports

**Semi Annual Report to the Trustee  
State of Connecticut  
Reporting Period-January 1, 2021 through June 30, 2021**

**Overview:** On October 2, 2017, the Mitigation Trust Agreement, upon court approval, became effective. On October 18, 2017, DEEP submitted its Certification for Beneficiary Status Under Environmental Mitigation Trust Agreement to the Trustee, the United States and the court overseeing the VW action. On January 29, 2018, the Trustee filed a Notice of Beneficiary Designation under the VW Diesel Emissions Environmental Mitigation Trust for State Beneficiaries designating Connecticut as a Beneficiary under the Trust<sup>1</sup>. As such, Connecticut is eligible to receive \$55,721,169 (1.90% of the \$2.9 billion made available to states and Tribes) from the Trust as specified in Appendix D to the Mitigation Trust Agreement.

The State of Connecticut (State), pursuant to the 2018 Mitigation Plan, filed with Wilmington Trust (WT) on April 26, 2018,<sup>2</sup> outlined a protocol for the selection of vehicle and equipment replacement projects to protect the state's air quality and the health of vulnerable populations. The primary goal of the State's 2018 Mitigation Plan is to improve and protect ambient air quality by selecting and implementing eligible mitigation projects that will (1) achieve significant and sustained cost effective reductions in Nitrogen Oxide (NO<sub>x</sub>) emissions, (2) support statewide energy, environmental and economic development goals and (3) reduce impacts on environmental justice and other impacted communities. Connecticut's Diesel Emissions Mitigation Program (DEMP) provides funds for use by non-government and government entities towards projects that achieve these goals.

Connecticut has participated in the Diesel Emission Reduction Act (DERA) State Clean Diesel Grant Program for many years prior to the establishment of the Trust. DEEP intends to amplify this participation by exercising the DERA Option (Eligible Mitigation Action (EMA) 10), utilizing Trust funds to match its State DERA allocation to allow for a greater variety of eligible projects. The rest of the allocated funds will be used for the remaining categories of eligible projects, outlined in the Mitigation Trust Agreement,<sup>3</sup> that are aligned with the funding priorities presented in the State of Connecticut Mitigation Plan.

**DEMP Round 1:** For Round 1 solicitation, DEEP conducted an open and competitive solicitation process for VW funds that was initiated on May 30, 2018. Projects were selected and announced on November 13, 2018. Funding was awarded to both government and non-government projects. Funds for Round 1 of the Diesel Emissions Mitigation Program financed projects that replaced or repowered an array of aging diesel mobile sources and/or non-road equipment. Projects, as awarded, for CT Diesel Emissions Reduction Program Round 1 funding, broken out by Eligible Mitigation Action, include:

**EMA 1 - Class 8 Local Freight Trucks and Port Dravage Trucks (Eligible Large Trucks)**

**Bozzuto's Incorporated**

Amount Awarded: \$1,050,000.00

Location: Cheshire

Project Description: Replacement of 35, MY 1999, Class 8 diesel trucks (tractors) with 35, MY 2019, diesel equivalents.

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<sup>1</sup> Notice of Beneficiary Designation, January 29, 2018, <https://portal.ct.gov/-/media/DEEP/air/mobile/VW/20180129VWBeneficiaryDesignationpdf.pdf>

<sup>2</sup> State of Connecticut Mitigation Plan <https://portal.ct.gov/-/media/DEEP/air/mobile/VW/CTVWFinalMitigationPlanpdf.pdf>

<sup>3</sup> Environmental Mitigation Trust Agreement for State Beneficiaries, as Modified on May 19, 2020 <https://portal.ct.gov/-/media/DEEP/air/mobile/VW/20200519--Final-Modified-State-Trust-Agreement-effective-June-18-2020.pdf>

Status: Completed and closed out September 8, 2020

**H.I. Stone and Son**

Amount Awarded: \$303,200.00

Location: Southbury

Project Description: Replacement of seven, MY 1995-2006, Class 8 diesel trucks with seven, MY 2019, diesel equivalents.

Status: Completed and closed out March 7, 2020

**USA Hauling & Recycling**

Amount Awarded: \$1,127,750.00

Location: Ansonia, Bridgeport, Bristol, Derby, East Hartford, East Haven, Enfield, Hartford, Meriden, Naugatuck, New Britain, New Haven, Plymouth, Torrington, Waterbury, West Haven

Project Description: Replacement of sixteen (16), MY 1999-2007, Class 8, diesel-powered refuse trucks with 16 MY 2020 compressed natural gas (CNG)-powered equivalents.

Status: Completed and closed out May 14, 2020

**EMA 2 - Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)**

**CT Department of Transportation**

Amount Awarded: \$4,901,169.00

Location: New Haven

Project Description: Replacement of 12, MY 2005, diesel transit buses with 12 full electric powered transit buses along with installation of associated charging infrastructure.

Status: Ongoing, project details in attached Report Tables

**Durham School Services, Stratford**

Amount Awarded: \$488,553.00

Location: Stratford

Project Description: Replacement of 23, MY 2005, diesel school buses with 23, MY 2019, diesel equivalents.

Status: Ongoing, project details in attached Report Tables

**First Student, Inc.**

Amount Awarded: \$1,338,780.00

Location: Ellington, CREC (Hartford), Middlebury/Southbury

Project Description: Replacement of 22, MY 2006, diesel school buses with 22, MY 2018, diesel equivalents.

Status: Completed and closed out June 2, 2020

**University of Connecticut**

Amount Awarded: \$1,378,000.00

Location: Stamford, Storrs

Project Description: Replacement of two, MY 2005, diesel shuttle buses with two full electric powered shuttle buses along with installation of associated charging infrastructure.

Status: Ongoing, project details in attached Report Tables

#### **EMA 4 - Ferries/Tugs**

##### **Block Island Express**

Amount Awarded: \$971,720.00

Location: New London

Project Description: Replacement of four, MY 2003, EPA Tier 1 diesel propulsion engines on the M/V Cecilia Ann with EPA Tier 3 diesel propulsion engines and replacement of two, MY 2011, EPA Tier 1 auxiliary engines (generators) with EPA Tier 3 diesel equivalents.

Status: Completed and closed out April 7, 2021

#### **EMA 6 - Class 4-7 Local Freight Trucks (Medium Trucks)**

##### **Eder Brothers, Inc.**

Amount Awarded: \$157,500.00

Location: West Haven

Project Description: Replacement of seven, MY 2005-2007, Class 7 diesel delivery trucks with seven, MY 2020, diesel equivalents.

Status: Completed and closed out January 14, 2020

##### **John DeGrand & Son, Inc.**

Amount Awarded: \$61,250.00<sup>4</sup>

Location: West Haven

Project Description: Replace two, MY 2009-2011, Class 7 diesel delivery trucks with two, MY 2019, diesel equivalents.

Status: Completed and closed out June 1, 2020

#### **EMA 10 - Diesel Emission Reduction Act (DERA) Option**

##### **Atlas Concrete Products**

Amount Awarded: \$76,280.79

Location: New Britain

Project Description: Replacement of one, MY 2002, Class 8 flatbed truck with hydraulic crane, with a MY 2019 diesel equivalent flatbed with hydraulic loader crane.

Status: Completed and closed out March 7, 2020

##### **Sysco Leasing, LLC**

Amount Awarded: \$149,233.61

Location: Rocky Hill

Project Description: Replace two Class 7 and five Class 8 MY 2005 – 2006 diesel delivery trucks with two MY 2019 Class 7 and five MY 2019 Class 8 diesel equivalents.

Status: Completed and closed out June 30, 2020

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<sup>4</sup> John DeGrand & Son, Inc. was originally awarded \$61,250.00 as a Round 1 project. However, after the award, the project total amount decreased and the grant amount was adjusted accordingly when the Mitigation Plan was developed. The Round 1 Class 4-7 Local Freight Trucks D-4 was submitted using the adjusted grant amount of \$46,617.50 rather than the initial awarded amount.

In 2019, the State of Connecticut submitted Beneficiary Eligible Mitigation Action Certification (Appendix D-4) Forms for Round 1 to Wilmington Trust for approval. Although all submitted Appendix D-4 Forms have been approved by WT, not all of the Beneficiaries have requested trust funds during this reporting period. Reimbursement for eight (8) of the twelve (12) Round 1 projects were dispersed in 2020. In 2021, reimbursement for one project, Block Island Express, was dispersed.

*Round 1 Approved Beneficiary Eligible Mitigation Action Certification (Appendix D-4) Forms*

EMA	Beneficiary Eligible Mitigation Action Title	Approval Date
1	Class 8 Local Freight Trucks and Port Drayage Trucks (Eligible Large Trucks)	January 21, 2020
2	Class 4-8 School Bus (Eligible Buses)	January 21, 2020
4	Ferries/Tugs	January 21, 2020
6	Class 4-7 Local Freight Trucks (Medium Trucks)	September 6, 2019
10	Diesel Emission Reduction Act (DERA) Option	November 26, 2019

*Round 1 Approved Eligible Mitigation Action Funds Disbursed*

Funding Request	Beneficiary	EMA	Budgeted Amount	Amount Reimbursed	Reimbursement Date
1	Eder Brothers, Inc.	6	\$157,500.00	\$143,121.56	January 14, 2020
2	H.I. Stone & Son	1	\$303,200.00	\$301,788.59	March 7, 2020
3	Atlas Concrete Products	10	\$76,280.79	\$76,280.79	March 7, 2020
4	USA Hauling & Recycling	1	\$1,127,750.00	\$1,127,750.00	May 14, 2020
5	John DeGrand & Son	6	\$61,250.00	\$46,617.50	June 1, 2020
6	First Student	2	\$1,338,780.00	\$1,186,468.40	June 2, 2020
7	Sysco Corporation	10	\$149,233.61	\$149,233.61	June 30, 2020
8	Bozzuto's Incorporated	1	\$1,050,000.00	\$1,050,000.00	September 8, 2020
9	Block Island Express	4	\$971,720.00	\$971,720.00	April 7, 2021

**DEMP Round 2:** For Round 2 solicitation, DEEP conducted an open and competitive solicitation process for VW funds that was initiated on August 1, 2019. Projects were selected and announced on November 22, 2019. Projects awarded for CT Diesel Emissions Reduction Program Round 2 funding, broken out by Eligible Mitigation Action, include:

**EMA 1 - Class 8 Local Freight Trucks and Port Drayage Trucks (Eligible Large Trucks)**

**Bozzuto's Inc.**

Amount Awarded: \$175,000.00

Location: New London, Ansonia, Waterbury, Derby, New Britain, Hartford, Bridgeport, Windham, Bristol, Meriden, Torrington, Enfield, Naugatuck, New Haven, and East Haven, CT

Project Description: Replace five (5) Class 8 diesel-powered tractors, the oldest in the proposal, with MY 2021 diesel-powered equivalents.

Status: Ongoing, project details in attached Report Tables

**H. I. Stone and Son, Inc.<sup>5</sup>**

Amount Awarded: \$72,302.26

Location: New Haven, Stamford and Waterbury, CT

Project Description: Replace two (2) , Class 8 MY 1995, diesel-powered trucks with MY 2020 equivalents.

Status: Completed and closed out April 7, 2021

**R + L Transfer, Inc.**

Amount Awarded: \$183,720.00

Location: South Windsor and Wallingford, CT

Project Description: Replace eight (8) Class 8, MY 2004-2007, diesel tractors with MY 2019 diesel-powered equivalents.

Status: Completed and closed out November 12, 2020

**Sysco Leasing, LLC**

Amount Awarded: \$346,500

Location: Rocky Hill and Hartford, CT

Project Description: Replace fifteen (15) Class 8, MY 2006-2009, diesel-powered heavy duty local freight trucks with MY 2020 diesel-powered equivalents.

Status: Ongoing, project details in attached Report Tables

**Town of East Hartford**

Amount Awarded: \$637,780.00

Location: East Hartford, CT

Project Description: Replace four (4) Class 8, MY 1999-2007, diesel-powered refuse trucks with two MY 2020 CNG-powered equivalents and two MY 2021 diesel-powered equivalents.

Status: Ongoing, project details in attached Report Tables

**USA Waste & Recycling**

Amount Awarded: \$591,600.00

Location: Waterbury, New Britain, Hartford, Bridgeport, East Hartford, Bristol, Meriden, Enfield, Naugatuck, and New Haven, CT

Project Description: Replace eight (8) Class 8, MY 1997-2006, diesel-powered refuse trucks, the oldest in the proposal, with MY 2021, Class 8 CNG-powered refuse trucks.

Status: Ongoing, project details in attached Report Tables

**EMA 2 - Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)****Connecticut Department of Transportation**

Amount Awarded: \$576,225.00

Location: Windham, CT

Project Description: Replace one (1) Class 7, MY 2005, diesel-powered transit bus, with a MY 2020 full electric transit bus and install associated charging infrastructure.

Status: Ongoing, project details in attached Report Tables

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<sup>5</sup> H.I. Stone & Son, Inc. was awarded one project during Round 2 to replace two Class 5 trucks and two Class 8 trucks. For Semi-Annual reporting purposes, H.I. Stone is treated as one project. However, two separate D-4s were submitted for H.I. Stone based on the associated Eligible Mitigation Actions (EMA 1 and EMA 6.)

**DATTCO, Inc.**

Amount Awarded: \$122,689.00

Location: Middletown, CT

Project Description: Replace one (1) Class 4, MY 2009, diesel powered school bus with a MY 2020 electric powered school bus.

Status: Ongoing, project details in attached Report Tables

**First Student, Inc.**

Amount Awarded: \$668,398.00

Location: Watertown, Ridgefield, Hamden, Weston and New Fairfield, CT

Project Description: Replace twelve (12) Class 6 and Class 7, engine model year (EMY) 2006-2007 school buses, the oldest in the proposal, with EMY 2021 diesel-powered equivalents

Status: Ongoing, project details in attached Report Tables

**Student Transportation of America, Inc. (Naugatuck)**

Amount Awarded: \$912,070.00

Location: Naugatuck, CT

Project Description: Replace eighteen (18) Class 7, MY 2008, school buses with MY 2019 diesel-powered equivalents.

Status: Completed and closed out December 21, 2020

**Yale University**

Amount Awarded: \$505,500.00

Location: New Haven, CT

Project Description: Replace one (1) Class 8, MY 2009, diesel-powered shuttle bus with a MY 2020 electric equivalent and install associated charging structure.

Status: Project has been withdrawn by Yale University

**EMA 4 - Ferries/Tugs****Fisher's Island Ferry District**

Amount Awarded: \$819,260.00

Location: New London, CT

Project Description: Replace EMY 1985 propulsion engines, gearboxes, auxiliary generator sets and related equipment in the ferry M/V Race Point.

Status: Ongoing, project details in attached Report Tables

**EMA 6 - Class 4-7 Local Freight Trucks (Medium Trucks)****Eversource Energy Service Company**

Amount Awarded: \$326,083.00

Location: Berlin, Hartford and Torrington, CT

Project Description: Replace five (5) Class 7, MY 2007 & 2009, diesel-powered utility bucket trucks with MY 2020 diesel-powered hybrid electric utility buckets trucks.

Status: Completed and closed out February 18, 2021

**H. I. Stone and Son, Inc.<sup>3</sup>**

Amount Awarded: \$79,858.75

Location: New Haven, Stamford and Waterbury, CT

Project Description: Replace two (2) Class 5, MY 2004 & 2006, diesel-powered with MY 2020 equivalents.

Status: Completed and closed out April 7, 2021



**Hocon Gas, Inc.**

Amount Awarded: \$139,805.00

Location: Waterbury, CT

Project Description: Replace four (4) Class 7 diesel-powered delivery trucks with MY 2020 propane-powered equivalents.

Status: Ongoing, project details in attached Report Tables

**State Line Propane, LLC**

Amount Awarded: \$96,264.00

Location: Granby, CT

Project Description: Replace three (3) Class 7, MY 1995 & 2000, diesel-powered delivery fuel trucks with one MY 2020 diesel-powered and two MY 2020 propane-powered delivery fuel trucks.

Status: Ongoing, project details in attached Report Tables

**EMA 10 - Diesel Emission Reduction Act (DERA) Option<sup>6</sup>****F&F Concrete Corporation:**

Amount Awarded: \$172,181.32

Location: Hartford, Middlesex and New Haven Counties

Project Description: Replacement of three Class 8 concrete trucks with MY 2020 diesel-powered equivalents.

Status: Completed and closed out November 2, 2020

**Gateway Terminal, LLC:**

Amount Awarded: \$386,083.12; \$285,637.60 will come from the "DERA Option" under VW NOx Mitigation Trust Agreement, \$100,445.52 from FY 2017-2018 State DERA allocation and bonus, and \$15,059.15 is from State SEP funds.

Location: New Haven, CT

Project Description: Replacement of six Class 8 diesel drayage trucks, MY 2006-2009, with 202 MY diesel equivalents.

Status: Completed and closed out September 29, 2020

**Kay's Trucking**

Amount Awarded: \$57,733.69

Location: South Windsor, CT

Project Description: Replacement of two (2) Class 8 diesel-powered tractors with two MY 2019-2020 diesel-powered equivalents.

Status: Completed and closed out August 31, 2020

**Target Enterprises**

Amount Awarded: \$37,885.74

Location: Thomaston, CT

Project Description: Replace one MY 2007 Class 7 diesel-powered flatbed truck with hydraulic crane with a 2019 diesel-powered equivalent.

Status: Completed and closed out July 7, 2020

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<sup>6</sup> Please refer to the two attached DERA Quarterly Reports, covering the reporting periods of January 1 to March 30 and April 1 to June 30, 2021, for a summary of the VW DERA Option Projects (Eligible Mitigation Action 10)

**Town of Weston:**

Amount Awarded: \$83,287.74; the funds will come from a combination of State DERA funds (\$31,238.49) and the **"DERA Option" under VW NOx Mitigation Trust Agreement (\$52,049.25)**.

Location: Weston, CT

Project Description: Replacement of two Class 8, MY 1995 & 2001, diesel-powered maintenance dump trucks with MY 2019 diesel-powered equivalents.

Status: Completed and closed out December 8, 2020

In 2020, the State of Connecticut submitted Round 2 Beneficiary Eligible Mitigation Action Certification (Appendix D-4) Forms to Wilmington Trust for approval. Although all submitted Appendix D-4 Forms have been approved by WT, not all of the Beneficiaries have requested trust funds during this reporting period. Reimbursement for all five (5) EMA 10 DERA Option Round 2 projects was dispersed in 2020. Additionally, two Round 2 projects were completed and reimbursed in 2020 including EMA 1 project, R+L Transfer, Inc., and Student Transportation of America, an EMA 2 project. In 2021, two Round 2 projects were reimbursed – H.I. Stone and Son, Inc. (EMA 1 and EMA 6) and Eversource Energy Services.

*Round 2 Submitted and Approved Beneficiary Eligible Mitigation Action Certification (Appendix D-4) Forms*

EMA	Beneficiary Eligible Mitigation Action Title	Submittal Date	Approval Date
1	Class 8 Local Freight Trucks and Port Drayage Trucks (Eligible Large Trucks)	June 4, 2020	August 3, 2020
2	Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)	June 9, 2020	August 10, 2020
4	Ferries/Tugs	June 18, 2020	August 17, 2020
6	Class 4-7 Local Freight Trucks (Medium Trucks)	April 7, 2020	June 7, 2020
10	Diesel Emission Reduction Act (DERA) Option	May 7, 2020	July 6, 2020

*Round 2 Approved Eligible Mitigation Action Funds Disbursed*

Funding Request	Beneficiary	EMA	Budgeted Amount	Amount Reimbursed	Reimbursement Date
1	Target Enterprises	10	\$37,885.74	\$34,584.62	July 7, 2020
2	Kay's Trucking	10	\$57,733.69	\$57,733.69	August 31, 2020
3	Gateway Terminal	10	\$285,637.60	\$285,637.60	September 29, 2020
4	F&F Concrete	10	\$172,181.32	\$170,955.94	November 2, 2020
5	R + L Transfer, Inc.	1	\$183,720.00	\$183,720.00	November 12, 2020
6	Town of Weston	10	\$52,049.25	\$52,049.25	December 8, 2020
7	Student Transportation of America, Inc.	2	\$912,070.00	\$905,049.52	December 21, 2020

8	Eversource Energy Service Company	6	\$326,083.00	\$326,083.00	February 18, 2021
9	H. I. Stone and Son, Inc.	1	\$72,302.26	\$152,161.01	April 7, 2021
		6	\$79,858.75		

**DEMP Round 3:** DEEP conducted an open and competitive solicitation in the fall of 2020 after which the following nine (9) projects were selected and awarded using VW “DERA Option” funds from the Volkswagen Diesel Emissions Environmental Mitigation Trust (VW Trust). The specifics of each DERA Option project is outlined below.

**Blue Earth Compost, Inc.**

Amount Awarded: \$69,862.00

Location: Hartford, CT

Project Description: Replacement of a Class 5 compost collection stepvan truck with an electric MY 2020 equivalent.

Status: Ongoing

**Cariati Developers, Inc.**

Amount Awarded: \$256,187.50

Location: New Haven, Wallingford, Bridgeport, Milford, and statewide

Project Description: Replacement of five Class 8 dump trucks with MY 2022 diesel equivalents.

Status: Ongoing

**Coastal Carriers of Connecticut, LLC**

Amount Awarded: \$34,200.75

Location: Ansonia, CT

Project Description: Replacement of one EMY 1999 diesel fuel delivery truck with a MY 2021 diesel equivalent.

Status: Ongoing

**CWPM, LLC**

Amount Awarded: \$24,664.35

Location: Essex and New Haven, CT

Project Description: Replacement of a MY 2005 diesel-powered Class 6 truck with a MY 2021 diesel-powered equivalent.

Status: Ongoing

**E.A. Quinn Landscape Contracting, Inc.**

Amount Awarded: \$16,462.00

Location: Glastonbury, CT

Project Description: Replacement of a MY 2005 diesel-powered Class 5 box truck with a MY 2022 diesel-powered equivalent.

Status: Ongoing

**Elate Moving, LLC**

Amount Awarded: \$95,818.00

Location: Greenwich, Fairfield County, and the Greater New York area

Project Description: Replacement of a MY 2005 diesel-powered Class 6 moving truck with a MY 2022 battery-electric-powered equivalent.

Status: Ongoing

**Murphy Road Recycling, LLC**

Amount Awarded: \$126,966.30

Location: New Haven, CT

Project Description: Replacement of one MY 2005 diesel-powered yard tractor with a MY 2021 EV equivalent (includes EVSE).

Status: Ongoing

**Town of North Stonington**

Amount Awarded: A total grant of \$167,942.38<sup>7</sup> was awarded to the Town of Stonington; **\$66,357.64 will come from the 2020 “DERA Option” under VW NOx Mitigation Trust Agreement**, and \$101,584.74 from FY 2019-2020 State DERA allocation and bonus.

Location: North Stonington, CT

Project Description: Replacement of a MY 1997 diesel refuse truck with a zero emissions EV equivalent.

Status: Ongoing

**Ryder Systems, Inc.**

Amount Awarded: \$427,050.00

Location: Bloomfield, CT

Project Description: Replacement of four (4) MY 20121 diesel transport refrigeration units (TRUs) on existing trailers with EV equivalents (includes EVSE).

Status: Ongoing

On May 26, 2021, the State of Connecticut submitted a Round 3 DERA Option Beneficiary Eligible Mitigation Action Certification (Appendix D-4) Form to Wilmington Trust for approval. The D-4 is pending approval by Wilmington trust. Until the D-4 is approved, no reimbursements can be made for the Round 3 FY2020 DERA Option projects.

*Round 3 Submitted and Approved Beneficiary Eligible Mitigation Action Certification (Appendix D-4) Form*

EMA	Beneficiary Eligible Mitigation Action Title	Submittal Date	Approval Date
10	Diesel Emission Reduction Act (DERA) Option	May 26, 2021	July 28, 2021

Connecticut is tracking administration expenses by EMA; however, Connecticut has not yet included any administrative expenses in a reimbursement request to Wilmington Trust.

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<sup>7</sup> A total grant of \$167,942.38 was awarded to the Town of North Stonington. \$66,357.64 will come from the 2020 “DERA Option” under VW NOx Mitigation Trust Agreement and the remainder from FY 2019-2020 State DERA allocation and bonus. For VW reporting purposes, the grant amount is \$66,357.64.

**Volkswagen Diesel Emission Environmental Mitigation Trust for States  
Semi-Annual Report**

Beneficiary	Connecticut
Lead Agency	Department of Energy and Environmental Protection (DEEP)
Reporting Period	January 1, 2021 - June 30, 2021

	Reporting Period	Cumulative	State Beneficiary Total in Trust
Total Trust Funds Allocated		\$55,721,169.00	\$52,946,000.00 <sup>1</sup>
Interest Earned	\$6,000.00 <sup>2</sup>	\$1,016,000.00 <sup>2</sup>	
Funds Expended	\$1,449,964.01	\$7,222,048.56	
Remaining Balance			\$48,499,120.45 <sup>3</sup>

<sup>1</sup> Balance of \$52,946,000.00 listed in the Table was obtained from *the Volkswagen Diesel Emissions Mitigation Trust for State Beneficiaries, Puerto Rico, and District of Columbia Semi Annual Report for the Reporting Period Ending December 31, 2020*.

<sup>2</sup> Interest earned for this reporting period is estimated from the December 31, 2020 financials provided by Wilmington Trust in the *Volkswagen Diesel Emissions Mitigation Trust for State Beneficiaries, Puerto Rico, and District of Columbia Semi Annual Report for the Reporting Period Ending December 31, 2020*.

<sup>3</sup> Remaining balance was calculated by subtracting the cumulative funds expended from the total trust funds allocated.

Summary of All Costs – Round 1				
Project	Total Funds Budgeted	Total Funds Received	Eligible Administrative Costs <sup>4</sup>	Notes
EMA 1 - Class 8 Local Freight Trucks and Port Drayage Trucks (Eligible Large Trucks)	\$2,480,950.00	\$2,479,538.59	\$372,142.50	All three projects, Bozzuto's, H.I. Stone and USA Hauling, in EMA 1 have been completed and funds have been disbursed.
EMA 2 - Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)	\$8,106,502.11	\$1,186,468.40	\$1,215,975.32	Only one project (First Student) from this Eligible Mitigation Action Category has been completed and funds have been disbursed by the Trustee for that one project.
EMA 3 - Freight Switchers	\$0	\$0	\$0	
EMA 4 - Ferries/Tugs	\$971,720.00	\$971,720.00	\$145,758.00	The Block Island Express project has been completed and all funds have been disbursed for EMA 4.
EMA 5 - Ocean Going Vessels (OGV) Shorepower	\$0	\$0	\$0	
EMA 6 - Class 4-7 Local Freight Trucks (Medium Trucks)	\$205,179.67	\$189,739.06	\$30,776.95	Both projects, Eder Brothers and John DeGrand and Son, Inc., in EMA 6 have been completed and Trust funds have been disbursed.
EMA 7 - Airport Ground Support Equipment	\$0	\$0	\$0	
EMA 8 - Forklifts and Port Cargo Handling Equipment	\$0	\$0	\$0	
EMA 9 - Light Duty Zero Emission Vehicle Supply Equipment	\$0	\$0	\$0	
EMA 10 - Diesel Emission Reduction Act (DERA) Option	\$225,514.40	\$225,514.40	\$33,827.16	For the DERA Option projects, both projects have been completed and the grantees have been reimbursed.
<b>Totals</b>	\$11,989,866.18	\$5,052,980.45	\$1,798,479.93	

<sup>4</sup> To date, no administrative funds have been requested by Connecticut; therefore, no funds to cover administrative costs have been disbursed by the Trustee during this reporting period.

**Summary of All Costs – Round 2**

Project	Total Funds Budgeted	Total Funds Received	Eligible Administrative Costs <sup>3</sup>	Notes
EMA 1 - Class 8 Local Freight Trucks and Port Drayage Trucks (Eligible Large Trucks)	\$2,006,902.26	\$256,022.26	\$301,035.34	Two projects, R+L Transfer and H.I. Stone and Son, Inc., in EMA 1 have been completed and funds have been dispersed.
EMA 2 - Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)	\$2,784,882.00	\$905,049.52	\$417,732.30	One school bus replacement project in Round 2 EMA 2, STA Naugatuck, has been reimbursed.
EMA 3 - Freight Switchers	\$0	\$0	\$0	
EMA 4 - Ferries/Tugs	\$819,260.00	\$0	\$122,889.00	The Fisher's Island Ferry District project has not been completed; therefore, no funds have been disbursed for EMA 4.
EMA 5 - Ocean Going Vessels (OGV) Shorepower	\$0	\$0	\$0	
EMA 6 - Class 4-7 Local Freight Trucks (Medium Trucks)	\$642,010.75	\$405,941.75	\$96,301.61	The H.I. Stone and Eversource projects in the EMA 6, Class 4-7 Local Freight Trucks have been completed; thus, funds for those two projects have been dispersed.
EMA 7 - Airport Ground Support Equipment	\$0	\$0	\$0	
EMA 8 - Forklifts and Port Cargo Handling Equipment	\$0	\$0	\$0	
EMA 9 - Light Duty Zero Emission Vehicle Supply Equipment	\$0	\$0	\$0	

EMA 10 - Diesel Emission Reduction Act (DERA) Option	\$605,487.60	\$602,054.58	\$90,823.14	All five (5) Round 2 DERA Option projects - F&F Concrete, Gateway Terminal, Kay's Trucking, Target Enterprises, and Town of Weston have been completed and funds have been disbursed.
<b>Totals</b>	\$6,858,542.61	\$2,169,068.11	\$1,028,781.39	

**Summary of All Costs – Round 3**

Project	Total Funds Budgeted	Total Funds Received	Eligible Administrative Costs <sup>3</sup>	Notes
EMA 10 - Diesel Emission Reduction Act (DERA) Option	\$1,117,568.54	\$0	\$167,635.28	No projects in the EMA 10, DERA Option have been completed; thus, no funds have been dispersed.
<b>Totals</b>	\$1,117,568.54	\$0	\$167,635.28	



Project Narrative					
Eligible Action Category	VW Funding Round	Grantee	Beneficiary Mitigation Plan Project Title	Project Description	Project Status
6	1	Eder Brothers	Replacement Beverage Trucks	The project replaced seven trucks (one Class 5 and six Class 7 trucks) with 2020 Model Year (MY) Hinodi, model 338 units. The trucks will be used to transport beverages in New Haven County and statewide.	Eder Brothers successfully replaced seven (7) beverage delivery trucks. The old delivery trucks were scrapped and documentation was provided and reviewed by CT DEEP. The project has been completed and Trust funds have been disbursed.
1	1	H.I. Stone & Son	Replacement of Seven Class 8 Diesel Trucks	H.I. Stone & Son Inc. replaced seven Class 8 diesel trucks with equivalent diesel trucks. The new trucks will be used for various purposes in some of the more congested areas in Connecticut including Waterbury, Hartford and Stamford.	H.I. Stone replaced seven (7) Class 8 diesel trucks with equivalent diesel trucks. The old Class 7 trucks were scrapped and documentation was provided and reviewed by CT DEEP. The project has been completed and Trust funds have been disbursed.
10	1	Atlas Concrete Products	2019 Mack Truck with Crane Replacement	The purpose of this project is to replace, for the Atlas Concrete Products (Atlas Concrete), one 2002 model year (MY) Mack Class 8 flatbed truck with hydraulic crane. The vehicle was replaced with a 2019 MY Mack Granite 64 FR with a Palfinger hydraulic loader crane.	Atlas has taken ownership of the new 2019 MY Mack Granite 64 FR with a Palfinger hydraulic loader crane. The old flatbed truck and hydraulic crane were scrapped and documentation was provided and reviewed by CT DEEP. The project has been completed and Trust funds have been disbursed.
1	1	USA Hauling & Recycling	16 CNG Refuse Trucks	USA Hauling & Recycling's project replaced sixteen (16) Class 8, diesel-powered refuse trucks with 16 2020 Model Year (MY) compressed natural gas (CNG)-powered equivalents. The trucks will be used to collect refuse and recyclables in and around Oakville and Waterbury, CT.	The Scope of Work was revised to reflect USA Hauling purchasing sixteen CNG-powered refuse trucks rather than the seventeen trucks awarded as part of the project. The grant amount was reduced from \$1,203,250.00 to \$1,127,750.00 accordingly. USA Hauling & Recycling has received the sixteen new CNG refuse trucks. The old diesel-powered refuse trucks were scrapped and documentation was provided

					and reviewed by CT DEEP. The project has been completed and Trust funds have been disbursed.
6	1	John DeGrand & Son, Inc.	J. DeGrand and Son Vehicle Update	The purpose of this project is to replace two trucks for John DeGrand and Son, Inc. a 2009 Model year (MY) International 7300 4x4 Series Van with a 2019 MY Workstar series 4x4 truck and a 2011 MY International 4000 Series Truck with a 2019 MY International MV series truck. The trucks will be used to transport supplies from West Haven, Connecticut, to New England and the Tri-state area, along major highway corridors in the state (I-91, I-95 and I-84).	The project is complete, the two (2) new 2019 MY International MV series trucks have been received and the old trucks have been scrapped. John DeGrand purchased the new vehicles at a cost less than the original proposal. Thus, there was a decrease in reimbursement payment. Trust funds have been disbursed for this project.
2	1	First Student	First Student - CT VW Round 1	This project replaced the twenty-two (22) MY 2006 school buses with 2018 MY Thomas Built Safe-T-Liner equivalents. These are the oldest buses in a fleet used to transport school students in Middlebury, Southbury, Hartford and Ellington, CT.	Twenty-two (22) buses instead of twenty-nine (29) buses were replaced and scrapped as a revision to First Student's original grant. To reflect the reduction in the number of buses, the original award amount of \$1,674,023.00 was adjusted to \$1,186,468.40. The project has been completed and Trust funds have been disbursed.
10	1	Sysco Corporation	2018 Sysco Connecticut Diesel Truck Emission Reduction	Replacement of two Class 7 and five Class 8 trucks with two MY 2019 Class 7 International 4300 SBA 4x2 and five MY 2019 Class 8 Mack Anthem 42T units occurred as part of this project. The trucks will be used to transport food products from Rocky Hill, Connecticut to restaurants, healthcare and educational facilities throughout the state.	The project is complete; the seven (7) new Sysco trucks, five (5) Class 8 and two (2) Class 7, have been received and the old trucks have been scrapped. Trust funds have been disbursed for this project.
1	1	Bozzuto's Inc.	Bozzuto's Inc. Fleet Truck Repower	This project replaces thirty-five (35) of Bozzuto's Class 8 trucks with MY 2020 Freightliner Cascadia and Ottawa units. The trucks will be used to transport food and household products from Cheshire, CT to retailers in Connecticut, New England, New York and New Jersey.	Bozzuto's has taken ownership of the 35 MY 2019 Class 8 diesel-powered trucks. The project has been completed and \$1,050,000,00 in Trust funds have been disbursed.

2	1	Durham School Service	Durham School Bus Replacements, Stratford	The purpose of this project is to replace twenty-two (22) 2005 Model Year (MY) school buses with 2019 MY IC Integrated equivalents. The buses will be used to transport school students in Stratford, CT.	Durham, with DEEP's approval, has revised the scope of work to purchase twenty-two (22) instead of twenty-three (23) school buses awarded under the original grant. Durham requested a revision to reassign 18 of 22 buses from Stratford to Norwalk (both EJ communities). The new buses are in operation in Norwalk. Twenty-two buses and scrappage documents have been approved by DEEP. Project revision, including deadline extension until July 15, 2021, has been approved by DEEP.
2	1	CT Department of Transportation (CT DOT)	Replacement of 12 Diesel Transit Buses with Battery Electric Transit Buses	The State of Connecticut Department of Transportation (CT DOT) will replace 12 model year 2005 diesel transit buses with 12 battery electric transit buses and associated charging infrastructure. The new electric buses will be garaged in Hamden, CT and operate in the New Haven, CT area.	In November 2018, the VW grant was awarded to CT DOT to purchase twelve (12) battery electric buses (BEBs) with associated electrical modifications and charging infrastructure. The electric bus Request for Proposals (RFPs) development was completed and started through the State of Connecticut competitive procurement process. CTDOT decided to issue a no award and re-advertise the RFPs after several changes were made to the RFP. The revised RFP response period concluded at the end of May 2020. DOT has selected New Flyer as the vendor and expects the first vehicles to be delivered in 3Q 2021. A contract was awarded to the engineering services firm to plan/design the facility electrical and bus charging infrastructure. The engineering firm completed assessments for the Hamden depot where the electric buses will be housed. The final assessment for the Hamden Depot has been reviewed and finalized.

4	1	Block Island Express	Repower of the M/V Cecelia Ann	<p>The purpose of this project is for Block Island Express, LLC (Block Island Express) to repower the M/V Cecelia Ann by replacing its four existing Tier-1 compliant propulsion engines and two existing Tier-1 auxiliary generator sets with 2018 or 2019 EPA certified Tier-3 engines. The existing Tier 1 engines are higher emitting and will be replaced with more efficient engines. The project will also require new gearboxes, keel coolers, engine controls and engine management systems.</p>	<p>The vessel, engines and equipment were delivered to the shipyard. Thames Shipyard repowered the vessel. The vessel successfully completed sea trials and the United States Coast Guard (USCG) inspection. The vessel returned to service on June 19, 2020.</p> <p>The grantee provided close-out and reimbursement documentation for the project. The project has been completed and Trust funds have been disbursed.</p>
2	1	University of Connecticut (UCONN)	University of Connecticut Electric Transit Bus Replacement Project	<p>Two 2005 MY transit buses owned and operated by UCONN will be replaced with two 2019 or 2020 MY full electric transit buses.</p>	<p>On November 18, 2018, DEEP awarded the UConn VW grant award for the replacement of two diesel buses with two electric buses, one in Stamford and one at the UConn main campus. On August 8, 2019, UConn informed DEEP of their intention to transfer all fleet operation over to the Connecticut Department of Transportation (CT DOT), and requested that the VW grant award be assigned to CT DOT. Via letter on October 9, 2019, DEEP informed UConn that the grant award could be assigned to CT DOT provided that written and signed documentation was attained from both parties stipulating that the assignee would accept all the terms of the award as required by the grant administration documents and trustee requirements. In October 2020 UCONN and CT DOT's agreement to transfer fleet services was accepted by the Attorney General's office and finalized. UConn intends to assign the VW grant to CT DOT in 1Q 2020, following which a timeline for completion of the project will</p>

					be finalized by CT DOT. (Note that DOT has been granted two separate awards during Rounds 1 and 2 of DEEP VW grant process.)
1	2	R + L Transfer	R+L Transfer, Inc. Connecticut Diesel Emission Mitigation Program Project	R + L Transfer, Inc. (R+L) will replace eight (8) Model Year 2004-2007 class 8 diesel tractors with equivalent diesel tractors B. The new tractors will be operated on pickup and delivery routes during the day and line-haul (i.e. short-haul) routes at night. The tractors are based out of different terminals that serve Hartford, New Haven and Wallingford that each serve clients throughout the State of Connecticut.	R+L replaced eight (8) diesel trucks with equivalent diesel trucks. The old Class 8 trucks were scrapped and documentation was provided and reviewed by CT DEEP. The project has been completed and Trust funds have been disbursed.
1	2	Bozzuto's	Bozzuto's Inc. Fleet Truck Repower	Replace five (5) Class 8 diesel-powered tractors, the oldest in the proposal, with MY 2021 diesel-powered equivalents.	The Bozzuto's Round 2 project has been granted an extension until November 15, 2021 due to COVID-related delivery delays. Scrappage on the old trucks is complete and documentation approved..
1	2	H.I. Stone	Replacement of Two Class 8 & Two Class 5 Diesel Trucks	Replace two (2) Class 8 MY 1995, diesel-powered trucks with MY 2020 equivalents.	The two (2) Class 8 trucks were received and the old trucks were scrapped. The project has been completed and Trust funds have been disbursed.
1	2	Sysco	Early Replacement of 15 Class 8 Diesel Trucks	Replace fifteen (15) Class 8, MY 2006-2009, diesel-powered heavy duty local freight trucks with MY 2020 diesel-powered equivalents.	The Sysco Round 2 project was granted an extension to August 31, 2021 due to pandemic-related budget issues.
1	2	Town of East Hartford	East Hartford Emissions Reduction Initiative	Replace four (4) Class 8, MY 1999-2007, diesel-powered refuse trucks with two MY 2020 CNG-powered equivalents and two MY 2021 diesel-powered equivalents.	All four trucks have been received by the Town of East Hartford. The old trucks have been scrapped and documentation has been submitted. The Town requested an extension to June 30, 2021 to compile the reimbursement paperwork.
1	2	USA Waste & Recycling	8 CNG Refuse Trucks	Replace eight (8) Class 8, MY 1997-2006, diesel-powered refuse trucks, the oldest in the proposal, with MY 2021, Class 8 CNG-powered refuse trucks.	Eight (8) new trucks have been purchased with eight of the old trucks scrapped. The grantee submitted the reimbursement package which is currently being reviewed by DEEP.

2	2	CT DOT	Initial 40' Electric Bus deployment for Windham Regional Transit District (WRTD)	Replace one (1) Class 7, MY 2005, diesel-powered transit bus, with a MY 2020 full electric transit bus and install associated charging infrastructure.	This project will be an extension of the VW Round 1 UCONN award. Once fleet operations and the Round 1 award have been finalized, these two projects will proceed in tandem.
2	2	Dattco, Inc.	Electric School Bus Pilot	Replace one (1) Class 4, MY 2009, diesel powered school bus with a MY 2020 electric powered school bus.	DATTCO completed purchase and installation of the EVSE equipment in 2020. The electric school bus has been delivered to the facility and is awaiting DMV inspection before it can be registered. DATTCO is in the process of completing the final reimbursement package for submittal to DEEP.
2	2	First Student	First Student – CT VW Round 2	Replace twelve (12) Class 6 and Class 7, engine model year (EMY) 2006-2007 school buses, the oldest in the proposal, with EMY 2021 diesel-powered equivalents	An extension, to accommodate delays in delivery and production of the buses, was granted until June 30, 2022 due to COVID-related supply issues. Project completion is anticipated by the end of 2021.
2	2	Student Transportation of America, Inc. (Naugatuck)	Replacement of 18 Diesel School Buses in Naugatuck, CT	Replace eighteen (18) Class 7, MY 2008, school buses with MY 2019 diesel-powered equivalents.	The new STA buses have been delivered and the old buses have been scrapped. The total project cost was reduced from \$1,403,184 to \$1,392,383.88; therefore, the VW grant funds were adjusted accordingly. STA has been reimbursed the amount of \$905,049.52 in December 2020.
2	2	Yale University	Replacement of One Class 8 Diesel Bus with a Fully Electric Shuttle Bus and the Installation of the Associated Charging Infrastructure.	Replace one (1) Class 8, MY 2009, diesel-powered shuttle bus with a MY 2020	Project was withdrawn verbally by the grantee; however, CT is waiting for a formal withdrawal letter from the school.

4	2	Fisher's Island Ferry District (FIFD)	Ferry Vessel Marine Engine Repower Project – Race Point	Replace EMY 1985 propulsion engines, gearboxes, auxiliary generator sets and related equipment in the ferry M/V Race Point.	The five engines have been installed and waiting for final hookup. FIFD is also waiting for the Certificate of Inspection (COI) from United States Coast Guard. FIFD requested an extension until July 31, 2021 due to the delay in the COI.
6	2	Eversource Energy Service Company	Eversource CT VW Project – Hybrid-Electric Bucket Trucks	Replace five (5) Class 7, MY 2007 & 2009, diesel-powered utility bucket trucks with MY 2020 diesel-powered hybrid electric utility buckets trucks.	The new trucks were delivered in September 2020 and the old trucks were scrapped in early 2021. The project has been completed and Trust funds have been disbursed.
6	2	H.I. Stone	Replacement of Two Class 8 & Two Class 5 Diesel Trucks	Replace two (2) Class 5, MY 2004 & 2006, diesel-powered with MY 2020 equivalents.	The two (2) Class 5 trucks were received and the old trucks were scrapped. The project has been completed and Trust funds have been disbursed.
6	2	Hocon Gas, Inc.	Propane Delivery Truck	Replace four (4) Class 7 diesel-powered delivery trucks with MY 2020 propane-powered equivalents.	All four vehicles have been completed. The grantee has submitted documents and DEEP is reviewing the reimbursement.
6	2	State Line Propane, LLC	Replace Old and Purchase New Trucks	Replace three (3) Class 7, MY 1995 & 2000, diesel-powered delivery fuel trucks with one MY 2020 diesel-powered and two MY 2020 propane-powered delivery fuel trucks.	The three (3) Class 7 fuel delivery trucks were delivered and the old trucks were scrapped. The project has been completed and State Line has submitted a reimbursement package.
10	2	F & F Concrete	Three Concrete Truck Replacement	Replacement of three Class 8 concrete trucks with MY 2020 diesel-powered equivalents.	The three replacement concrete trucks have been delivered and the old trucks scrapped. Trust funds have been disbursed for this project. The reimbursed amount is less than the grant amount; F&F was able to get the trucks at a cost less than listed in the proposal and the revision reflects the fixed percentage of the revised cost.
10	2	Gateway Terminal, LLC	Gateway Terminal's Clean Drayage Truck Initiative	Replace, for Gateway Terminal, LLC (Gateway), six Class 8 drayage trucks with 2020 MY Peterbilt model 567 units.	The project has been completed and \$285,637.60 of VW DERA Option funds have been dispersed to the grantee.

10	2	Kay's Trucking, Inc.	Kay's Diesel Decrease	The purpose of this project is to replace, for Kay's Trucking, Inc. (Kay's Trucking), two model year (MY) 1995 and 2000 Class 8 tractors, with 2020 and 2021 MY Volvo VNRs.	The project is complete; the two (2) Class 8 tractors have been received and the old trucks have been scrapped. Trust funds have been disbursed for this project.
10	2	Target Enterprises	Truck 10 with Crane Replacement	The purpose of this project is to replace, for Target Enterprises (Target), one model year (MY) 2007 Class 7 diesel-powered flatbed truck with hydraulic crane. The vehicle will be replaced with a 2019 International MV 607. The truck will be used for delivering construction materials throughout Connecticut, mostly to Fairfield County and the Connecticut shoreline.	Target has taken ownership of the new 2019 MY International MV 607 with hydraulic crane. The old flatbed truck and hydraulic crane were scrapped and documentation was provided and reviewed by CT DEEP. Target was originally awarded a grant of \$37,885.74 ; however, Target decided to purchase a MY2019 truck tractor instead of a MY2020 tractor. The grant amount was adjusted accordingly. The project has been completed and Trust funds have been disbursed.
10	2	Town of Weston	Heavy Duty Dump Trucks	Replacement of two Class 8, MY 1995 & 2001, diesel-powered maintenance dump trucks with MY 2021 diesel-powered equivalents.	The two new dump trucks have been received and the old dump trucks have been scrapped. The project is completed and the Town of Weston received reimbursement on 12/8/20.
10	3	Blue Earth Compost	Cleaner Compost Collections	The purpose of this project is to replace a Class 5 compost collection stepvan truck with an electric MY 2020 equivalent.	Blue Earth Compost was granted an extension to March 31, 2022 for time to secure extra funding for EVSE (which was not requested during the grant application proposal; therefore, was not awarded.)
10	3	Cariati Developers, Inc.	Five Class 8 Highway Diesel Replacement	Replacement of five Class 8 dump trucks with MY 2022 diesel equivalents.	An extension was requested and approved until June 30, 2022 due to COVID-related delivery delays.
10	3	Coastal Carriers of Connecticut, LLC	Replace 2006 Kenworth Class 8 Tractor with 2022 Western Star Class 8	The project will replace one EMY 1999 diesel fuel delivery truck with a MY 2021 diesel equivalent.	The new Western Star Tractor has been ordered; however, delivery is delayed due to COVID. An extension of October 31, 2021 was requested and approved.



10	3	CWPM, LLC	2021 Service Truck Replacement	Replacement of a MY 2005 diesel-powered Class 6 truck with a MY 2021 diesel-powered equivalent.	The new truck has been delivered and the old truck has been scrapped. CWPM is currently preparing the reimbursement package.
10	3	E.A. Quinn Landscape Contracting, Inc.	Replacement of 2005 GMC W5500 Diesel Box Truck	Replace, for E.A. Quinn, a MY 2005 diesel-powered Class 5 box truck with a MY 2022 diesel-powered equivalent.	The new truck has been delivered and the old truck has been scrapped. A reimbursement package is in the process of being assembled by E.A. Quinn.
10	3	Elate Moving, LLC	Elate Moving: Kevin Britt	The project will replace a MY 2005 diesel-powered Class 6 moving truck with a MY 2022 battery-electric-powered equivalent.	Elate Moving secured procurement of the vehicle; therefore, the project is on schedule.
10	3	Murphy Road Recycling, LLC	Electric Yard Horse & Charging Infrastructure	The Murphy Road Recycling project will replace one MY 2005 diesel-powered yard tractor with a MY 2021 EV equivalent (includes EVSE).	The old vehicle has been scrapped and the new vehicle has arrived. The grantee is currently compiling the reimbursement documents. The project is on schedule for completion by August 31, 2021.
10	3	Town of North Stonington	North Stonington Dumpster Truck EV Replacement Project	The purpose of the project is to replace, for the Town of North Stonington, one MY 1997 diesel refuse truck with a zero emissions EV equivalent.	An extension was requested and approved to August 15, 2022 due to COVID-related issues in the 2021 budget.
10	3	Ryder Systems, Inc.	Zero Emissions TRU Replacement Project	Replacement of four (4) MY 2012 diesel transport refrigeration units (TRUs) on existing trailers with EV equivalents (includes EVSE).	Due to delays, an August 31, 2022 extension as the project completion deadline was approved.

July 29, 2021

Mr. Gary Rennie  
U.S. EPA Region 1  
5 Post Office Square – Suite 100  
ORA 01-1  
Boston, MA 02109-3912

Re: Seventh Quarterly Report on the FY 2019-2020 State DERA Grant, Connecticut DS 00A00174-2

Dear Mr. Rennie:

The Connecticut Department of Energy and Environmental Protection (DEEP) is pleased to submit its seventh quarterly report for State Diesel Emission Reduction Act (DERA) Grant, Connecticut DS 00A00174 - 2. This report covers work performed between April 1 and June 30, 2021 on the Connecticut Clean Diesel Program. Fourteen projects were selected to receive FY 2020 funding, which DEEP augmented with Volkswagen NOx Mitigation Trust funds under the DERA Option. During this reporting quarter:

- DEEP assisted the grantees in developing Scopes of Work (SOWs) for their projects along with Purchase Orders and contracts to implement the projects;
- Two of the 2020 grant Class 6 truck replacement projects, CWPM, LLC and E.A. Quinn Landscaping Contracting, Inc., were completed this quarter and reimbursement documents were submitted to DEEP for compilation, review, and approval;
- DEEP prepared and submitted its application for FY 2021 State DERA funding; and
- From the FY 2019 program, Stamford's maintenance truck replacement project was completed, the reimbursement approved, and the funds drawn down.

If you have additional questions regarding this report or the status of Connecticut's Clean Diesel Program, please contact Patrice Kelly ([patrice.kelly@ct.gov](mailto:patrice.kelly@ct.gov)) or Jennifer Arienti ([jennifer.arianti@ct.gov](mailto:jennifer.arianti@ct.gov)).

Yours truly,



Paul E. Farrell, Director  
Planning & Standards Division  
Bureau of Air Management

**U. S. Environmental Protection Agency  
State Clean Diesel Grant Program - Quarterly Report**

<b>Grant Recipient</b>	<b>The Connecticut Department of Energy and Environmental Protection (DEEP)</b>
<b>Grant #</b>	<b>DS - 00A00174 - 1</b>
<b>Reporting Period</b>	<b>April 1 - June 30, 2021</b>

<b>WORKPLAN BUDGET</b>	<b>FY19</b>	<b>FY 20</b>
<b>Total EPA Funds Awarded</b>	\$479,775.00	\$506,090.00
<b>Total Mandatory Cost-Share</b>		
<b>Total Voluntary Matching Funds</b>	\$319,850.00	\$337,393.00
<b>Total Project Costs</b>	\$799,625.00	\$843,483.00

<b>Table 1. Rate of Expenditure. Record all funds expended for each budget category.</b>								
	Federal Funds Expended this Reporting Period	Mandatory Cost-Share Expended this Reporting Period	Voluntary Match Expended this Reporting Period		Cumulative Federal Funds Expended	Cumulative Mandatory Cost-Share Expended	Cumulative Voluntary Match Expended	
			Mitigation Funds	Other Funds			Mitigation Funds	Other Funds
Personnel	\$12,228.45				\$46,682.90			
Fringe Benefits	\$11,479.10				\$42,008.37			
Travel								
Equipment								
Supplies								
Contractual								
Subawards								
Participant Support Costs (e.g., Rebates)	\$110,617.32				\$255,326.72		\$316,416.98	
Other Leveraged Funds		\$371,280.19				\$2,676,601.79		
Indirect Charges	\$4,864.47				\$18,062.61			
<b>TOTALS</b>	<b>\$139,189.34</b>	<b>\$371,280.19</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$362,080.60</b>	<b>\$2,676,601.79</b>	<b>\$316,416.98</b>	<b>\$0.00</b>

<b>Table 2. Narrative Responses</b>	
<b>Question</b>	<b>Answer</b>
	<p><b>CT Dept. of Energy &amp; Environmental Protection (DEEP) State DERA Administrative Activities:</b> In the seventh quarter, DEEP prepared its draft project narrative and fleet sheet for the FY2021 State DERA Program. These were submitted to the Project Officer on April 26, approved on May 17 and filed, with supporting application documents, via grants.gov on May 26, 2021.</p> <p>DEEP worked with the grantees to prepare Scopes of Work (SOWs) and related implementation documents for the FY2020 projects. To encourage prompt completion of the projects, DEEP included an August 31, 2021 deadline in its solicitation materials, with the expectation that it would take advantage of the Covid-extended project period to grant extensions as needed. While developing schedules for their SOWs, many grantees have requested and received extensions for anticipated delays related to the Covid-19 pandemic.</p> <p>DEEP continued to monitor the existing projects to help insure completion by the end of the project period. All but one of the 2019 projects has been completed as of the end of the seventh quarter.</p> <p><b>Town of New Milford (New Milford):</b> A grant of \$108,602.98 for the early replacement of three Class 8 snowplowing dump trucks, MY2000-2004, with MY2020 diesel powered equivalents was awarded to New Milford. The cost of the new trucks has increased from \$496,596.00 to \$521,077.76, of which the grant is less than 25%. New Milford requested and received an extension to August 31, 2021 to cover Covid-related delays in the building and delivery of the new trucks following the normal town budget process. In the seventh quarter, New Milford accepted delivery of the remaining two trucks and paid the vendor \$375,315.78, of which \$266,712.80 is part of the town's mandatory cost share for the project. The replaced trucks were scrapped and the reimbursement documents are being compiled. New Milford remains on schedule to meet the revised deadline.</p> <p><b>The City of Stamford (Stamford):</b> Stamford used its grant of \$144,591.41 to replace four Class 6 utility trucks, MY1998-1999, with MY2020 diesel-powered equivalents. The total project cost was originally proposed to be \$661,156 of which the grant was less than 25%. In the fifth quarter, Stamford reported that the final cost of the project was \$505,806.70; the decrease in the project cost resulted in a decrease in the grant to \$110,617.32 and the cost share to \$395,189.38. In the fourth quarter, Stamford reported that they had accidentally scrapped a truck that was not among those covered by the grant and requested a revision to substitute the accidentally scrapped truck for a similar truck on the list. Stamford had previously submitted complete scrappage documentation for that truck and in the sixth quarter, added a statement that its age, application and mileage are similar to the truck on the list provided for the grant. With this documentation, DEEP approved the revision in the seventh quarter. A revised scope of work, including the substitute truck and the reduced project cost, was drafted and approved. Stamford scrapped the last two trucks and submitted documentation. The reimbursement request package was compiled and submitted in the sixth quarter and approved for payment May 12, 2021. The funds were drawn down June 9, 2021.</p>

**Area Cooperative Education Services (ACES):** DEEP is granting \$213,750.00 to ACES toward the replacement of one model year (MY) 2005 Class 5 diesel-powered school bus with a MY 2021 EV equivalent. The project includes purchase and installation of charging infrastructure. This award represents 45% of the cost of the new bus, which is \$475,000.00. The bus will operate in the greater New Haven area. In the seventh quarter, ACES issued a P.O. for the EV Charging infrastructure which is scheduled to be delivered by mid-July, with installation to follow by early August. Overall site design was finalized and ACES is coordinating with the Town of North Haven to secure necessary permits in a timely manner.

**Blue Earth Compost (Blue Earth):** A grant of \$69,862.00, awarded to Blue Earth, will be used to replace one 2007 MY Class 5 Freightliner MT45 step van with a 2020 MY Class 5 Ford F59 EV step van. The projected cost is \$155,250.00 and the grant represents 45% of the projected cost of the 2020 MY replacement truck. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. The truck is based in Hartford and collects compost in 16 towns in the greater Hartford area. Blue Earth requested an extension to March 31, 2022 because of budget and supply issues related to Covid-19, which was granted on May 9, 2021. Blue Earth developed a Scope of Work, which included the extended deadline, and is working with its contractor to resolve budget issues associated with the installation of EVSE, which wasn't included in the proposal, and to ensure that the revised deadline will be met.

**Cariati Developers, Inc. (Cariati):** Cariati is receiving a grant for \$256,187.50 toward the replacement of five Class 8 diesel dump trucks, MY 1996-2002, with 2022 MY diesel equivalents. The projected cost is \$1,024,750.00 and the original grant represents 25% of the projected cost of the five 2022 MY replacement trucks. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. The trucks will be used in environmental justice communities in Hartford, Waterbury and Bridgeport and operate on the main corridors of I-95, I-91, I-395 and I-84. Vendor selection is underway and the project remains on schedule for completion by the revised deadline.

**Coastal Carriers of CT, LLC (Coastal Carriers):** Coastal Carriers will receive \$34,200.75 toward the replacement of a EMY 1999 Class 8 diesel-powered fuel delivery truck with a 2022 Class 8 diesel-powered equivalent. The truck will be used in multiple shifts for delivering fuel throughout Connecticut, mostly to urban areas adjacent to Ansonia. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. This grant represents 25% of the originally proposed cost of the project, which was \$136,803.00, but is less than 25% of the revised cost of the replacement truck, which is \$148,839.00. The project remains on schedule in the seventh quarter to meet the extended deadline. Coastal Carriers is in discussion with a scrapyards regarding the destruction of the existing vehicle once the new vehicle has been delivered.

**CWPM, LLC (CWPM):** A grant of \$24,664.35 for the replacement of one MY 2007 Class 6 truck, with a MY 2020 diesel-powered equivalent has been awarded to CWPM. The cost of the new truck is \$98,657.43 of which the grant is 25%. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. The project was completed in the seventh quarter. The reimbursement documents have been submitted and are being compiled for review and approval.

**D. Brake Marine, LLC (D. Brake Marine):** D. Brake Marine is using its grant of \$91,748.00 to replace two Tier 0, MY 1960-70 marine propulsion engines on the tug boat *MV Tug Empire* with EPA certified Tier 3 diesel-powered engines. The total project cost is \$229,370.00 of which the grant is 40%. The grant contract for the project was completed and executed in the seventh quarter. D. Brake Marine has completed most of the work on the project. The old engines have been scrapped and the scrappage documentation was approved. The new engines have been installed and the reimbursement request package is being assembled.

**E.A. Quinn Landscaping Contracting, Inc. (E. A. Quinn):** E. A. Quinn, in Glastonbury will receive \$16,462.00 toward the replacement of one MY 2005 class 5 box truck with a MY 2021 diesel-powered equivalent. This grant represents 25% of the \$65,848.00 cost of the project. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. The project was completed in the seventh quarter. The reimbursement documents have been submitted and are being compiled for review and approval.

**Elate Moving, LLC (Elate Moving):** DEEP is granting \$95,818.00 to Elate Moving toward the replacement of one MY 2005 Hino 268 Class 6 box truck with a MY 2020 Isuzu FTR class 6 battery electric Cab/Chassis moving truck. This award represents 45% of the cost of the new bus, which is \$212,928.00. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. The truck will operate primarily in Greenwich and in the Fairfield County / Greater New York area. Elate is in discussions with its contractor regarding budget and scheduling issues.

**Joel Lizza, (commercial fishing) (Lizza):** Lizza is receiving a grant for \$27,239.46 toward the replacement of one Tier 1, 1994 MY Volvo TAMD 102D marine propulsion engine on the fishing vessel *FV Lively Lady* with an EPA certified Tier 3 diesel-powered engine. The projected cost is \$68,098.65 and the original grant represents 40% of the projected cost. The grant contract for the project was completed and executed June 4, 2021. The repower is in progress, with completion anticipated in the eighth quarter.

**Murphy Road Recycling:** A grant of \$126,966.30 awarded to Murphy Road Recycling is being used to replace one 2004 MY Freightliner COE yard tractor with a 2021 MY Orange EV electric equivalent. Purchase and installation of charging infrastructure is included in the grant. The projected cost is \$282,147.33 and the grant represents 45% of the projected cost of the 2020 MY replacement truck. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. The yard tractor operates in New Haven. In the seventh quarter, Murphy Road Recycling scrapped its diesel yard horse and submitted the documentation, which was approved. The new tractor was delivered and the proof of delivery documents were submitted. Reimbursement documents are being compiled.

**Town of North Stonington (North Stonington):** DEEP is granting a total of \$167,942.38 to North Stonington for the replacement of one MY 1997 diesel-powered Mack Model E7350 refuse truck with a MY 2021 Peterbilt Model 579EV electric equivalent. \$66,357.64 will come from the 2020 "DERA Option" under VW NOx Mitigation Trust Agreement, and \$101,584.74 from FY 2019-2020 State DERA allocation and bonus. The projected cost is \$373,205.00 and the total grant represents 45% of the projected cost of replacement truck. North Stonington was facing Covid-related issues with its 2021 budget and requested an extension to August 15, 2022. This was approved and incorporated into the SOW for the project, which was executed May 6, 2021.

	<p><b>Ryder Systems, Inc. (Ryder):</b> Ryder, which is located at the distribution center WCD Inc. in Bloomfield, CT, will receive \$427,050.00 toward the replacement of four MY 2012 diesel-powered Transport Refrigeration Unit (TRU) trailers with 2021 MY fully electric alternatives (e-TRUs), powered entirely by the grid and solar electricity. The purchase and installation of TRU infrastructure to use when parking at the distribution center will be included in the project. This grant represents 45% of the \$949,000.00 cost of the project. The funds will come from the "DERA Option" under VW NOx Mitigation Trust Agreement. The new TRUs will operate within Hartford, Fairfield, New Haven, Litchfield, Middlesex, and New London Counties. An extension of the completion deadline to August 31, 2022 was approved May 6, 2021 and the details were incorporated into the SOW, which was finalized May 10, 2021. The project remains on schedule for completion by the revised deadline.</p> <p><b>Town of West Hartford (West Hartford 2020):</b> A grant of \$11,924.10 will enable West Hartford to replace one MY 1996 diesel-powered mower with a 2021 MY Mean Green Rival-60 electric mower. The cost of the new mower was \$24,924.0, which was less than the original proposal of \$26,498.00, therefore the grant is reduced to \$11,215.80 or 45% of the reduced cost. A Purchase Order for the grant was issued May 5, 2021. West Hartford's electric mower was delivered and put into use and a nice article about the first DPW all-electric mower in Connecticut was published in "The Patch." Documentation is being compiled for reimbursement.</p> <p><b>Town of Windsor (Windsor):</b> A grant of \$27,500.00 is being awarded to Windsor to use towards the replacement of one MY 2008, diesel-powered large-area mower with one 2021 MY Toro Groundsmaster 5900 with a Tier 4, diesel-powered Yanmar engine. The grant amount represents 25% of the \$110,000.00 cost of the new mower. Because of scheduling issues related to the town budget process, an extension to October 31, 2021 was requested and approved. This revised deadline was incorporated into the SOW for the project, which was finalized April 1, 2021. The Purchase Order to implement this project was issued May 5, 2021 and delivery is expected in the eighth quarter.</p>
<p>Did you award any rebates or subawards during the reporting period? If so, list the recipients and how much funding they received.</p>	<p><b>Stamford:</b> Stamford received a rebate of \$110,617.32, which was drawn down in the seventh quarter.</p>
<p>Provide a comparison of actual accomplishments with the anticipated outputs/outcomes and timelines/milestones specified in the project Work Plan.</p>	<p><b>Blue Earth:</b> Blue Earth requested an extension to March 31, 2022 because of budget and supply issues related to Covid-19, which was granted on May 9, 2021. Blue Earth developed a Scope of Work, which included the extended deadline, and is working with its contractor to resolve budget issues and to ensure that the revised deadline will be met.</p> <p><b>North Stonington:</b> Facing Covid-related issues with its 2021 budget North Stonington requested an extension to complete the project in 2022. An extension to August 15, 2022 was requested, approved and incorporated into the SOW for the project.</p> <p><b>Ryder:</b> Due to Covid-related supply chain delays, an August 31, 2022 extension as the project completion deadline was requested; the request was approved and the new deadline incorporated into the SOW for the project.</p> <p>All other 2019 projects have been completed; the 2020 projects are on or ahead of schedule.</p>
<p>If anticipated outputs/outcomes and/or timelines/milestones are not met, why not? Did you encounter any problems during the reporting period which may interfere with meeting the project objectives?</p>	<p><b>Blue Earth:</b> Blue Earth requested an extension to March 31, 2022 because of budget and supply issues related to Covid-19, which was granted on May 9, 2021. Blue Earth developed a Scope of Work, which included the extended deadline, and is working with its contractor to resolve budget issues and to ensure that the revised deadline will be met.</p> <p><b>North Stonington:</b> Facing Covid-related issues with its 2021 budget North Stonington requested an extension to complete the project in 2022. An extension to August 15, 2022 was requested, approved and incorporated into the SOW for the project.</p> <p><b>Ryder:</b> Due to Covid-related supply chain delays, an August 31, 2022 extension as the project completion deadline was requested; the request was approved and the new deadline incorporated into the SOW for the project.</p> <p>All 2019 projects have been completed; the remaining 2020 projects are on or ahead of their original or revised schedules.</p>
<p>How do you propose to remedy any problems? Identify how and the date you will get back on course to meet the anticipated outputs/outcomes and/or timelines/milestones specified in the project work plan.</p>	<p><b>Blue Earth:</b> Blue Earth requested an extension to March 31, 2022 because of budget and supply issues related to Covid-19, which was granted on May 9, 2021. Blue Earth developed a Scope of Work, which included the extended deadline, and is working with its contractor to resolve budget issues and to ensure that the revised deadline will be met.</p> <p><b>North Stonington:</b> Facing Covid-related issues with its 2021 budget North Stonington requested an extension to complete the project in 2022. An extension to August 15, 2022 was requested, approved (March 31, 2021) and incorporated into the SOW for the project.</p> <p><b>Ryder:</b> Due to Covid-related supply chain delays, an August 31, 2022 extension as the project completion deadline was requested; the request was approved and the new deadline incorporated into the SOW for the project.</p> <p>All 2019 projects have been completed; the other 2020 projects are on or ahead of their original or revised schedules.</p>
<p>If any cost-shares are reported for this Reporting Period in Table 1 above, identify the source of the funds.</p>	<p><b>D. Brake Marine:</b> In the sixth quarter, D. Brake Marine contributed a down payment of \$100,000.00, of which only \$50,000 was previously reported as a portion of its cost share for the project. The remaining \$50,000 is included in this report.</p> <p><b>New Milford:</b> New Milford paid its vendor \$375,315.78 for the delivered truck, of which \$266,712.80 is part of the town's mandatory cost share for the project.</p> <p><b>West Hartford:</b> West Hartford paid its vendor \$24,924.00 for the new EV mower, of which \$13,708.20 is the town's mandatory cost share for the project.</p> <p><b>Joel Lizza:</b> Joel Lizza paid its vendor and shipyard \$54,534.00 toward the cost of the engines and installation, of which \$40,859.19 is its mandatory cost share for the project.</p>

<p>Was any program income generated during the reporting period? Identify amount of program income, how it was generated, and how the program income was/will be used.</p>	<p>No program income was generated in this reporting period.</p>
<p>Did any public relations events regarding this grant take place during the reporting period?</p>	<p>On May 14, 2021, DEEP forwarded EPA's announcement of the opening of Tribal and Insular Area DERA Grant program to tribal representatives in Connecticut. On June 10, 2021, DEEP forwarded the announcement, "EPA Announces \$10 Million Available for States, Tribes and Territories to Address Environmental Challenges," to tribal representatives in the state. On Earth Day, April 22, 2021, West Hartford issued a press release about its new electric mower, purchased with 2020 DERA funds. The announcement can be found at <a href="https://www.westhartfordct.gov/town-departments/public-works/-board/dpw-homepage-news/post/whats-in-whats-out">https://www.westhartfordct.gov/town-departments/public-works/-board/dpw-homepage-news/post/whats-in-whats-out</a> On April 9, 2021, the Middletown Press published an article about the work being done by Blue Earth Compost, one of the 2020 grant recipients; the article can be found at <a href="https://www.middletownpress.com/middletown/article/Middletown-partners-with-composting-firm-on-free-">https://www.middletownpress.com/middletown/article/Middletown-partners-with-composting-firm-on-free-</a></p>
<p>What is the URL for the state website listing the total number and dollar amount of subawards, rebates, or loans provided, as well as a breakdown of the technologies funded? Please also list any other state websites used for outreach related to the State DERA Grant Program.</p>	<p>DEEP maintains a website for Diesel Grants and Funding. Information about this and other diesel grant programs administered by DEEP's Bureau of Air Management can be found on the DEEP website at: <a href="https://portal.ct.gov/DEEP/Air/Mobile-Sources/DERA-Grants">https://portal.ct.gov/DEEP/Air/Mobile-Sources/DERA-Grants</a> DEEP has also established a website for its Volkswagen NO<sub>x</sub> Mitigation Program. DERA Option awards are listed under "Administrative Archive" at <a href="https://portal.ct.gov/DEEP/Air/Mobile-Sources/VW/VW-Settlement--Home">https://portal.ct.gov/DEEP/Air/Mobile-Sources/VW/VW-Settlement--Home</a> DEEP also maintains a Facebook page, Drive Clean CT, on which DERA announcements and awards are posted. You can link to the site at: <a href="https://www.facebook.com/DriveCleanCT/">https://www.facebook.com/DriveCleanCT/</a></p>
<p>What project activities are planned for the next reporting period?</p>	<p><b>DEEP State DERA Administrative Activities:</b> In the eighth quarter, DEEP will continue to monitor the progress of the projects, providing advice and assistance as required. DEEP expects to be closing out the remaining 2019 project, New Milford, and processing the reimbursement, though New Milford has extra time if needed. In the eighth quarter, DEEP will complete the Semi-Annual Report for its VW NO<sub>x</sub> Settlement program, including the DERA Option projects and EPA quarterly reports. <b>ACES:</b> In the eighth quarter, ACES will install the charging infrastructure and accept delivery of the bus. <b>Blue Earth:</b> Blue Earth will be working with its vendor to adapt plans to resolve budget and schedule issues. This may include a substitute for the new vehicle to accommodate unexpected costs for the original proposal. They propose to complete the project in the summer of 2022. <b>Cariati:</b> Cariati will be tracking the manufacturing of its trucks. Vendors have already advised Cariati that delivery is likely in the summer of 2022. <b>Coastal Carriers:</b> Coastal Carriers will be tracking the building of its truck with the anticipation of delivery in October of 2021. <b>CWPM:</b> In the eighth quarter, CWPM's project will be approved for payment and DERA Option funds transferred from Wilmington Trust. <b>D. Brake Marine:</b> D. Brake Marine's project will be completed and sea trials conducted. Reimbursement documents will be compiled and moved forward for approval. <b>E.A. Quinn:</b> In the eighth quarter, CWPM's project will be approved for payment and DERA Option funds transferred from Wilmington Trust. <b>Elate Moving:</b> Elate will be working with its vendor to resolve budget and scheduling issues. <b>Joel Lizza:</b> Lizza's repower will be completed in the eighth quarter and reimbursement documents will be compiled. <b>Murphy Road Recycling:</b> Murphy Road will compile and submit reimbursement documents for the completed project. <b>North Stonington:</b> North Stonington will continue to work with its vendor to finalize a schedule that takes into consideration the 2022 town budget process and build time requirements to ensure deliver of the vehicle by the revised deadline. <b>Ryder:</b> In the eighth quarter, Ryder will continue working with its vendors and installers to be sure that all pieces of the project will come together by the revised deadline. <b>West Hartford 2020:</b> West Hartford will be scrapping its old mower, as well as preparing and submitting its reimbursement request package. <b>Windsor:</b> Windsor will be accepting delivery of the new mower and compiling reimbursement request documents in the eighth quarter. <b>Burlington:</b> Burlington's project has been completed and reimbursement has been received. Funds were drawn down in the fifth quarter. No further work is required. <b>Canaan:</b> Canaan's project has been completed and reimbursement has been received. Funds were drawn down in the fifth quarter. No further work is required. <b>F&amp;F Concrete:</b> F&amp;F Concrete's project has been completed and reimbursement has been received from WT. No further work is required. <b>Kay's:</b> Kay's project has been completed and reimbursement has been received from WT. No further work is required. <b>New Milford:</b> Having completed its project, New Milford will be compiling the documents for its reimbursement in the eighth quarter and submitting them for approval.</p>

**Stamford:** Stamford's project has been completed and the reimbursement request package approved. Payment was made June 6, 2021 and funds were drawn down in the seventh quarter. No further work is required.

**Target:** Target's project has been completed and reimbursement has been received from WT. No further work is required.

**West Hartford 2019:** West Hartford's 2019 project has been completed and reimbursement has been received. Funds were drawn down in the fifth quarter. No further work is required.

**Weston:** Weston's project has been completed and approved for payment. Reimbursement has been received from WT and DEEP. DERA funds were drawn down in the fifth quarter. No further work is required

**Table 3. Subaward Reporting Requirements**

Requirement	Response
Summaries of results of reviews of financial and programmatic reports	DEEP operates its State DERA Program exclusively as a rebate program; no subawards are granted.
Summaries of findings from site visits and/or desk reviews to ensure effective subrecipient performance	
Environmental results the subrecipient achieved	
Summaries of audit findings and related pass-through entity management decisions	
Actions the pass-through entity has taken to correct deficiencies such as those specified at 2 CFR 200.331(e), 2 CFR 200.207 and the 2 CFR Part 200.338 Remedies for Noncompliance	



Due July 31, 2021: these columns to be deleted prior to submission

sums of B & F	
from 6th quarter	cumulative 7th qtr
\$34,454.45	\$46,682.90
\$30,529.27	\$42,008.37
\$144,709.40	\$255,326.72
\$2,305,321.60	\$2,676,601.79
\$13,198.14	\$18,062.61



\$50,000.00

\$266,712.80

\$13,708.20

\$40,859.19

**Total Cost**  
**\$371,280.19 Shares**

Grant Recipient	0
Grant #	0
Reporting Period	0

The Connecticut Department of Energy and Environmental Protection (DEEP)
DS - 00A00174 - 1
April 1 - June 30, 2021

Note: Similar engines may be grouped together or entered as separate engine groups.

Instructions / Units	Fleet Information	Group 1: Town of Burlington	Group 2: Town of Canaan	Group 3: F&F Concrete			Group 4: Ka
	Fiscal Year of EPA Funds Used:	2019	2019	2019	2019	2019	2019
	Vehicle Or Engine Group Name:	Municipal Dump Truck	Municipal Dump Truck	Concrete Truck #107	Concrete Truck #109	Concrete Truck #111	T-16
	Fleet Owner:	Town of Burlington	Town of Canaan	F&F Concrete Company			Kay's Truck
	Vehicle or Engine Group Type:	On Highway	On Highway	On Highway	On Highway	On Highway	On Highway
	Primary Place of Performance	Burlington, CT	Canaan, CT	Plantsville	Plantsville	Plantsville	South V
	- State(s):	Connecticut	Connecticut	Connecticut	Connecticut	Connecticut	C
	- County:	Hartford	Litchfield	Hartford	Hartford	Hartford	Hart
	- City:	Burlington	Canaan	Plantsville	Plantsville	Plantsville	South V
	- Zip Code:	06013	06031	06074	06074	06074	060
	Target:	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Combination
	Vehicle Class or Equipment Type:	Class 8	Class 8	Class 8	Class 8	Class 8	Class 8
	Quantity:	1	1	3	3	3	2
	Vehicle Identification Number(s):	1HTWDAAR55JQ43870	IFDYF80C9WVA36934	5DG8AD4T550010623	5DG8AD4G760011483	5DG8AD4T870012014	1FUYTWEB6YHG07052
	Vehicle Make:	International	Ford	Terex advance	Terex advance	Terex advance	Freightliner
	Vehicle Model:	7400 SFA 4X2	F800	62-445AP6811	62-445AP6811	62-445AP6811	MED CONV
	Vehicle Model Year:	2004	1997	2005	2006	2007	2000
	Engine Serial Number(s) :	466HM2U2007559	56348358	06RO836516	06RO908034	06RO960056	KS24975
	Engine Make:	International	International	Detroit Diesel	Detroit Diesel	Detroit Diesel	CAT
	Engine Model:	D250	DT530	Series 60	Series 60	Series 60	C-12
	Engine Model Year:	2004	1997	2005	2006	2006	1999
	Nonroad and locomotive only						
	Engine Tier:						
	Engine Horsepower:	290	215	450	450	450	410
	Engine Cylinder Displacement:	7.6L	5.9L	12.7L	12.7L	12.7L	12
	Number of Cylinders per engine						
	Engine Number of Cylinders:	6	6	6	6	6	6
	If unregulated, then NA						
	Engine Family Name:	4NVXHO466AEA	VCE359D6DAAW	5DDXH12.7EGY	6DDXH12.7EGY	6DDXH12.7EGY	XCPXH0729ERK
	Engine Fuel Type:	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD
	Gallons per year per engine						
	Annual Amount of Fuel Used:	1200	350	6274	7828	7624	2572
	Hours per year per engine; Includes idling hours; Nonroad and locomotive only						
	Annual Usage Rate:						
	Miles per vehicle; On-Highway only						
	Annual Miles Traveled:	6000	3,000	20076	24266	22872	9954
	Hours per engine; On-Highway only						
	Annual Idling Hours:	150	100	815	754	696	260
	Hours per year per engine; Class 8 Long-Haul Combination only						
	Annual Hoteling Hours:						
	Years per engine; Total number of years of engine life remaining at time of upgrade action						
	Remaining Life:	5	3	3	4	4	1
	Year in which vehicle would normally be retired/sold by the fleet owner if not for the grant						
	Normal Attrition Year:	2025	2023	2023	2024	2024	2030
	Year of Upgrade Action:	2020	2020	2020	2020	2020	2020
	Upgrade Type:	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement
	Upgrade:	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel
	Upgrade Cost Per Unit:	\$124,887.00	\$188,741.00	\$260,594.00	\$260,558.00	\$260,558.00	\$136,647.00
	Upgrade Labor Cost Per Unit:	\$97,406.00					
	New Engine Model Year:	2021	2020	2020	2020	2020	2020
	Nonroad and locomotive only						
	New Engine Tier:						
	New Engine Horsepower:	260	260	430	430	430	425
	Line-Haul Locomotive only						
	New Engine Duty Cycle:						
	Liters per cylinder per engine						
	New Engine Cylinder Displacement:	7.7	7.7	11.8 L	11.8 L	11.8 L	12.8
	Per engine						
	New Engine Number of Cylinders:	6	6	6	6	6	6
	New Engine Family Name:	LDTN2VOCV05C	LDDXH07.7Mde	LCEXH0721XAG	LDDXH0721XAG	LCEXH0721XAG	LVPTH12.8G01
	New Engine Fuel Type:	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD
	Hours per vehicle; On-Highway only						
	Annual Idling Hours Reduced:						
	Hours per vehicle; Class 8 Long-Haul Combination only						
	Annual Hoteling Hours Reduced:						
	Gallons per year per engine						
	Annual Diesel Gallons Reduced:	450	0	1910	2652	15098	1415

COPY AND PASTE ADDITIONAL COLUMNS AS NEEDED TO CAPTURE ALL ENGINE/VEHICLE GROUPS

The Connecticut Department of Energy and Environmental Protection (DEEP)  
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2019 T-18	Group 5: Town of New Milford			Group 6: City of Stamford				Group 7: Target Enterprises
	2019 Truck #12	2019 Truck #112	2019 Truck #125	2019 Utility Truck #115	2019 Utility Truck #249	2019 Utility Truck #421	2019 Utility Truck #423	2019 Flatbed Truck #10 w. crane
King, Inc.	Town of New Milford			City of Stamford				Target Enterprises
On Highway	On Highway	On Highway	On Highway	On Highway	On Highway	On Highway	On Highway	On Highway
Vindsor		New Milford				Stamford		Fairfield County
T		CT				Connecticut		CT
ford		Litchfield				Fairfield		Litchfield
Vindsor		New Milford				Stamford		Thomaston
174		06776				06901		06787
Short Haul - Combination	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Combination
Class 8	Class 8	Class 8	Class 8	Class 6	Class 6	Class 6	Class 6	Class 7
		3				4		1
1FUy8HCB7TL794515	2FZAAZAN64AM92952	2FZNEDYBOYAG76250	2FZAAZA873AK67769	1HTSCABL5WH555360	1HTSCABL7WH555361	1HTSCABLXXH620916	1HTSCABL8XH620915	1FVACXDJ27HX13456
Freightliner	Sterling	Sterling	Sterling	International	International	International	International	Freightliner
MED CONV	L9500	LT9500	L9500	4700 4X2	4700 4X2	4700 4X2	4700 4X2	M2/106
1996	2004	2000	2003	1998	1998	1999	1999	2007
04R0010751	MJB03817	119834196GH0261	35057804	640970	640969	781482	781483	906543765
Detroit	Caterpillar	Cummins	Cummins	International	International	International	International	Mercedes Benz
6047GK60	C10	N14	M11	T444E	T444E	T444E	T444E	MBE900
1995	2003	2000	2002	1997	1997	1998	1998	2006
315	335	435	350	190	190	190	190	300
8.5		14.1	10.8 l	7.3 liter	7.3 liter	7.3 liter	7.3 liter	7.2
4	6	6	6	6 Cylinders	6 Cylinders	6 Cylinders	6 Cylinders	6
SDD8.5EJDAGW	3CPXH0629EBV	XCEXH0855NAD	2CEXH0661MAS	VNV444C8DARW	VNV444C8DARW	VNV444C8DARW	VNV444C8DARW	6MBXH7.20DJA
ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD
1987	1028	1019	1199	1200	1200	1200	1200	4700
3987	10000	10000	10000	5000	5000	5000	5000	33,000
410	150	150	150	200	200	200	200	
1	5	5	5	0	0	0	0	2
2030	2022	2022	2022	2017	2017	2017	2017	2022
2020	2020	2020	2020	2020	2020	2020	2020	2020
Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement
Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel
\$131,616.00	\$165,532.00	\$165,532.00	\$165,532.00	\$183,469.35	\$183,469.35	\$69,434.00	\$69,434.00	\$163,141.00
2019	2020	2020	2020	2020	2020	2019	2019	2018
425				325	325	350	350	350
12.8				6.7	6.7	6.6	6.6	8.9
6				6	6	6	6	6
KVPTH12.8G01				LCEXH0408BAT	LCEXH0408BAT	KNVXH04020SA	KNVXH04020SA	JCEXH0540LAX
ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD
1523				2938	2938	2938	2938	575

Group 8: Town of West Hartford	Group 9: Town of Weston		Group 10: ACES	Group 11: Blue Earth	Group 12: Cariat Developers			
2019	2019	2019	2020	2020	2020		2020	
Maintenance Dump Truck	26WE - GMC Truck	27WE	School Bus		8979	3380	8986	7898
Town of West Hartford	Town of Weston		ACES	Blue Earth Compost	Cariat Developers			
On Highway	On Highway	On Highway	On Highway	On Highway	On Highway	On Highway	On Highway	On Highway
West Hartford	Weston	Weston	New Haven	Hartford and statewide			Statewide	
CT	CT	CT	CT	CT			CT	
Hartford	Fairfield		New Haven	Hartford			New Haven	
West Hartford	Weston		North Haven	Hartford			Meriden	
06110	06812		06473	06120			06450	
Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	School Bus	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit
Class 8	Class 8	Class 8	Class 5	Class 5	Class 8	Class 8	Class 8	Class 8
1	2		1	1			5	
1FV6JBB6YHB17534	1GDP7H1J3SJ503594	2FZAATAK52AK13913	4DRBUAFP36B257783	4UZAAPBW47CX72131	1HTSDADR4YH268979	1HTSDADR4ZH523380	1HTSDADR1YH268986	1HTSDADR91H367898
Freightliner	GMC	Sterling		Freightliner	International	International	International	International
FL-80	Top Kick	L 7500		MT145	4900	4900	4900	4900
1999	1995	2000	2005	2007	2000	2002	2000	2001
8YL15807	9GK13980	CKM27435	507403	46638630	531HM2U1208934	531HM2U1327331	531HM2U1209166	531HM2U1273471
Caterpillar	Caterpillar	Caterpillar	IC	Cummins	IH Navistar	IH Navistar	IH Navistar	IH Navistar
3126	3116	3126	3000	ISB 185	DT530E	DT530E	DT530E	DT530E
1999	1994	2000	2005	2006	2000	2002	2000	2001
246	215	230	200	185	275	275	275	275
7.2	6.6	7.2	8	5.9	8.7	8.7	8.7	8.7
6	6	6		6	6	6	6	6
XCPX0442HSK	RCP403DZDAAA	1CPXH0442HBK	5010228R92	6CEXH0359BAA	YNVXH0466ANA	2NVXH0466ANA	YNVXH0466ANA	1NVXH0466ANA
ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD
970.27	253	261	1700	2000	6890	6852	6952	7525
4742.86	2029	2095	12000	15841	39,254	37,771	38,175	42,180
380.8	10	10	120	125	702	702	702	702
5	1	1	1	2	15	17	15	16
2025	2020	2020	2021	2022	2035	2037	2035	2036
2020	2020	2020	2021	2022	2022	2022	2022	2022
Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement
Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - All Electric	Vehicle Replacement - All Electric	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel
\$153,113.09	\$167,773.80	\$167,773.80	\$390,000	\$155,250				
			\$90,000					
2020	2020	2020	2021	2020	2022	2022	2022	2022
350	330	330	315					
8.9 L	6.6	7.2						
6	6	6						
LCEXH0540LAX	RCP403DZDAAA	1CPXH0442HBK						
ULSD	ULSD	ULSD	Battery Electric	Battery Electric	ULSD	ULSD	ULSD	ULSD
443	337	337	0	0				

	Group 13: Coastal Carriers	Group 14: CWPM	Group 15: E.A. Quinn	Group 16: Elate Moving	Group 17: Murphy Road Recycling	Group 18: North Stonington	Group 19: NonRoad	
2020	2020	2020	2020	2020	2020	2020		
0516		flatbed service truck			Yard Tractor	Refuse Truck		TRU Repl
On Highway	Coastal Carriers of CT	CWPM	E.A. Quinn	Elate Moving	Murphy Road Recycling	Town of North Stonington		Ryder
	On Highway	On Highway	On Highway	On Highway	NonRoad	On Highway	NonRoad	NonRoad
	Ansonia	Ansonia	Glastonbury & Satewide	Greenwich & Statewide	New Haven	North Stonington		Bloon
	CT	CT	CT	CT	CT	CT		C
	New Haven	Hartford	Hartford	Fairfield	New Haven	New London		Hart
	Ansonia	Plainville	Glastonbury	Greenwich	New Haven	North Stonington		Bloon
	06401	6062	6033	6830	06501	06359		06C
Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Short Haul - Single Unit	Ports and Airports	Refuse Hauler	Short Haul - Combination	Short Haul - Combination
Class 8	Class 8	Class 6	Class 5	Class 6	Off-Highway Tractors	Class 8	ACRefrigeration	ACRefrigeration
	1	1	1	1	1	1		4
1HTSDAAR9TH300516	1XKDU9X56J119022	1HTMMAAL35H128278	J8DE5J16157900158	JHBNE8JT051S10136	1FVFCFAK14RM86182	1M1AA13Y2WW086684	Trailer: 1UYVS2537CM278004	Trailer: 1UYVS2530CM282606
International	Kenworth	International	GMC	Hino	Freightliner			
4900		4300	W500	268	COE			
1996	2006	2005	2004	2005	2003	1997	2012	2012
972861	2XS28281	2030906	81106	A10288	HEP44540	7H2640	NAG91235888	6001084113
IH Navistar	Caterpillar	International	Isuzu	Hino	Caterpillar	Mack	Carrier	Thermo King
DTE66	C12	Maxforce DT	4HK1TC	JO8E-TA	3126	E7350		
1996	1999	2005	2004	2004	2003	1997	2012	2012
230	400	225	215	220	330	350	50	50
7.6	8	7.6	5.19	7.6	7.2	12		
6		6	4	6	6	6		
TNV466D8DARB	XCPXL12.0ERM	5NVXH0466AEA	4SZXH05.23AA	4HMXH07.7JTA	3CPXH0442HBX	VMK728EJDARW		
ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD	ULSD
5622	27000	1025	1400	5000	2600	1150	2400	2400
	125000						3000	3000
27,522	100,000	9232	8000	50000	1400	5403		
702	2184	129	520	30		312	1800	1800
11	4	5	0	5		2	5	5
2031	2024	2025	2021	2025		2022	2025	2025
2022	2021	2021	2021	2021	2001	2022	2021	2021
Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Vehicle Replacement	Engine Replacement	Engine Replacement
Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - Diesel	Vehicle Replacement - All Electric	Vehicle Replacement - All Electric	Vehicle Replacement - All Electric	Engine Replacement - All Electric	Engine Replacement - All Electric
	\$148,839	\$98,657	\$65,848	\$212,928	\$269,554.00	\$373,205.00	\$949,000	\$949,000
	0				\$12,594.00			
2022	2022	2021	2021	2020	2021	2020	2021	2021
	505	220	215		80KW	400KW		
		5.1	5.19	NA	NA	NA		
		6	4	NA	NA	NA		
					LOEV2VOCVAA2			
ULSD	ULSD	ULSD	ULSD	Battery Electric	Battery Electric	Battery Electric	Battery Electric	Battery Electric
	1100		520					
	15400		700-800					



9: Ryder		Group 20: West Hartford	Group 21: Windsor
20		2020	2020
acements		Commercial Mower	Commercial Mower
System		West Hartford	Town OF windsor
NonRoad	NonRoad	NonRoad	NonRoad
nfield		West Hartford	Windsor
T		CT	CT
ford		Hartford	Hartford
nfield		West Hartford	Windsor
02		06110	6095
Short Haul - Combination	Short Haul - Combination	Agriculture	Agriculture
ACRefrigeration	ACRefrigeration	Agricultural Mowers	Agricultural Mowers
i		1	1
Trailer: 1UYVS2533CM285306	Trailer: 1UYVS2537CM285602	30455-60362	31598-28000129
		Toro	Toro
		455D	Groundsmaster 5900
2012	2012	1996	2008
6001085414	6001085438	1V931 588039	68304255
Thermo King	Thermo King	PEUGEOT	Cummins
		XUD9A1	QSB3.3
2012	2012	1996	2008
50	50	Uncontrolled	Uncontrolled
		58	99
		1.9	3.26
			4
		N/A	8CEXL03.3ACB
ULSD	ULSD	ULSD	ULSD
2400	2400	1425	3200
3000	3000	750	550
1800	1800	NA	NA
5	5	4	1
2025	2025	2024	2021
2021	2021	2021	2021
Engine Replacement	Engine Replacement	Vehicle Replacement	Vehicle Replacement
Engine Replacement - All Electric	Engine Replacement - All Electric	Vehicle Replacement - All Electric	Vehicle Replacement - Diesel
\$949,000	\$949,000	\$24,924.00	\$110,000.00
2021	2021	2021	2020
			Tier 4
			72
			3.3
			4
Battery Electric	Battery Electric	Battery Electric	ULSD
		0	

Grant Recipient	The Connecticut Department of Energy and Environmental Protection (DEEP)
Grant #	DS - 00A00174 - 1
Reporting Period	April 1 - June 30, 2021

Fleet Information		Group 1: D Brake Marine
CURRENT VEHICLE INFORMATION	Fiscal Year of EPA Funds Used:	2020
	Name of Vessel:	<i>MV Tug Empire</i>
	Total # of Propulsion Engines	2
	Total # of Auxiliary Engines	
	Vehicle Or Engine Group Name:	River Tug Boat
	Fleet Owner:	D. Brake Marine
	Application:	Tug Boat/ Tow Boat
	Primary Place of Performance	Thames River
	- State(s):	CT
	- County:	New London
	- City:	Madison
	- Zip Code:	6443
	Engine Group Type:	propulsion
	Quantity:	2
	Engine Serial Number(s) :	5111434076, 5111434057
	Engine Make:	Detroit Diesel
	Engine Model:	691
	Engine Model Year:	1970
	Engine Tier:	Tier 0
	Engine Horsepower:	225
	Engine Cylinder Displacement:	0.9 <= size < 1.2
	Engine Number of Cylinders:	6
	Engine Total Displacement:	6.981
	Engine Family Name:	NA
	Engine Fuel Type:	ULSD
	Annual Amount of Fuel Used:	17500
	Annual Usage Rate:	3500
	Remaining Life:	1
Normal Attrition Year:	2021	
Year of Upgrade Action:	2021	
NEW VEHICLE/UPGRADE INFORMATION	Upgrade Type:	Engine Replacement
	Upgrade:	Engine Replacement - Diesel
	Upgrade Cost Per Unit:	\$45,874.00
	Upgrade Labor Cost Per Unit:	
	New Engine Model Year:	2021
	New Engine Tier:	Tier 3
	New Engine Horsepower:	290
	New Engine Cylinder Displacement:	1.2 <= size <2.5
	New Engine Number of Cylinders:	6
	New Engine Total Displacement:	8.8
New Engine Family Name:	MCEXN08.9AAA	
New Engine Fuel Type:	ULSD	
Annual Diesel Gallons Reduced:		

Grant Recipient	The Connecticut Department of Energy and Environmental Protection (DEEP)
Grant #	DS - 00A00174 - 1
Reporting Period	April 1 - June 30, 2021

Fleet Information		Group 1: Joel Lizza
CURRENT VEHICLE INFORMATION	Fiscal Year of EPA Funds Used:	2020
	Name of Vessel:	<i>Lively Lady</i>
	Total # of Propulsion Engines	1
	Total # of Auxiliary Engines	0
	Vehicle Or Engine Group Name:	Lively Lady
	Fleet Owner:	Joel Lizza
	Application:	Commercial Fishing
	Primary Place of Performance	Guilford
	- State(s):	CT
	- County:	New Haven
	- City:	Guilford
	- Zip Code:	06437
	Engine Group Type:	propulsion
	Quantity:	1
	Engine Serial Number(s) :	1101052489
	Engine Make:	Volvo
	Engine Model:	TAMD 102D
	Engine Model Year:	1994
	Engine Tier:	Tier 1
	Engine Horsepower:	400
	Engine Cylinder Displacement:	5.0<= size <15.0
	Engine Number of Cylinders:	6
	Engine Total Displacement:	9
	Engine Family Name:	
	Engine Fuel Type:	ULSD
	Annual Amount of Fuel Used:	6562
	Annual Usage Rate:	1600
	Remaining Life:	3
Normal Attrition Year:	2024	
Year of Upgrade Action:	2021	
NEW VEHICLE/UPGRADE INFORMATION	Upgrade Type:	Engine Replacement
	Upgrade:	Engine Replacement - Diesel
	Upgrade Cost Per Unit:	\$56,098.65
	Upgrade Labor Cost Per Unit:	\$12,000.00
	New Engine Model Year:	2020
	New Engine Tier:	Tier 3
	New Engine Horsepower:	450
	New Engine Cylinder Displacement:	5.0<= size <15.0
	New Engine Number of Cylinders:	6
	New Engine Total Displacement:	9
	New Engine Family Name:	
	New Engine Fuel Type:	ULSD
Annual Diesel Gallons Reduced:		

Grant Recipient	The Connecticut Department of Energy and Environmental Protection (DEEP)
Grant #	DS - 00A00174 - 1
Reporting Period	April 1 - June 30, 2021

Fleet Information		Group 1:
CURRENT VEHICLE INFORMATION	Fiscal Year of EPA Funds Used:	
	Name of Vessel:	
	Total # of Propulsion Engines	
	Total # of Auxiliary Engines	
	Vehicle Or Engine Group Name:	
	Fleet Owner:	
	Application:	
	Primary Place of Performance	
	- State(s):	
	- County:	
	- City:	
	- Zip Code:	
	Engine Group Type:	
	Quantity:	
	Engine Serial Number(s) :	
	Engine Make:	
	Engine Model:	
	Engine Model Year:	
	Engine Tier:	
	Engine Horsepower:	
	Engine Cylinder Displacement:	
	Engine Number of Cylinders:	
	Engine Total Displacement:	
	Engine Family Name:	
	Engine Fuel Type:	
	Annual Amount of Fuel Used:	
	Annual Usage Rate:	
	Remaining Life:	
Normal Attrition Year:		
NEW VEHICLE/UPGRADE INFORMATION	Year of Upgrade Action:	
	Upgrade Type:	
	Upgrade:	
	Upgrade Cost Per Unit:	
	Upgrade Labor Cost Per Unit:	
	New Engine Model Year:	
	New Engine Tier:	
	New Engine Horsepower:	
	New Engine Cylinder Displacement:	
	New Engine Number of Cylinders:	
New Engine Total Displacement:		
New Engine Family Name:		
New Engine Fuel Type:		
Annual Diesel Gallons Reduced:		