


VW Environmental Mitigation Trust - Semi Annual Report

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Funding Totals	Reporting Period	Cumulative
Trust Funds Received	\$28,702,231.41	\$28,702,231.41
Funds Expended	\$65,169.34	\$65,169.34
Remaining Balance	\$28,637,062.07	\$28,637,062.07

Project	Total Funds Budgeted	Total Funds Received	Equipment Funds		Administrative Funds		Notes
			Received	Expended	Received	Expended	
			EMA 1 - Class 8 Local Freight Trucks	\$3,856,727.60	\$3,856,727.60	\$3,456,727.60	
EMA 2 - Class 4-8 School Bus, Shuttle Bus, or Transit Bus	\$18,851,276.66	\$18,851,276.66	\$18,426,276.66	\$0.00	\$425,000.00	\$45,830.24	
EMA 3 - Freight Switchers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
EMA 4 - Ferries/Tugs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
EMA 5 - Ocean Going Vessels (OGV) Shorepower	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
EMA 6 - Class 4-7 Local Freight Trucks	\$883,681.76	\$883,681.76	\$783,681.76	\$0.00	\$100,000.00	\$2,227.14	
EMA 7 - Airport Ground Support Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
EMA 8 - Forklifts and Port Cargo Handling Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
EMA 9 - Light Duty Zero Emission Vehicle Supply Equipment	\$5,110,545.39	\$5,110,545.39	\$4,585,545.39	\$0.00	\$525,000.00	\$11,626.35	
EMA 10 - Diesel Emission Reduction Act (DERA) Option	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
TOTALS	\$28,702,231.41	\$28,702,231.41	\$27,252,231.41	\$0.00	\$1,450,000.00	\$65,169.34	

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
EMA 1 - Class 8 Local Freight Trucks	NCDEQ-Class 8 Trucks-FY20	Fully executed contracts were completed through the end of the reporting period for all ten of the awardees for this EMA category. Charlotte Solid Waste, Cumberland County Solid Waste, Mecklenburg Schools, Mecklenburg Parks, and the Town of Mars Hill have all issued purchase orders for their vehicles that will be replaced per their fully executed contracts. The American Lung Association indicated that one of the vehicles in the original application was involved in an accident and would no longer be eligible for replacement. A substitute vehicle was identified and DAQ reviewed and approved the substitution. Orange Water and Sewer Authority received updated quotes on the vehicle replacement and is currently awaiting approval by their board for the increased cost.
EMA 2 - Class 4-8 School Bus, Shuttle Bus, or Transit Bus	NCDEQ-Class 4-8-Buses-FY20	For the reporting period, six out of six awarded school bus replacement projects have fully executed contracts. As of March 31, 2021, 11 out of 13 transit bus project contracts have been executed. No transit projects have been started.
EMA 3 - Freight Switchers	NA	NA
EMA 4 - Ferries/Tugs	NA	NA
EMA 5 - Ocean Going Vessels (OGV) Shorepower	NA	NA
EMA 6 - Class 4-7 Local Freight Trucks	NCDEQ-Class 4-7 Trucks-FY20	Fully executed contracts were completed through the end of the reporting period for six out of seven of the awardees for this EMA category. The final fully executed contract will be completed after the Warrenton Town Council meets on April 12, 2021 and approves the contract. Henderson County was awarded a contract to repower their existing 2006 engine with a 2019 engine in their 2007 Class 7 refuse truck but have been informed by multiple vendors that the 2019 engines are not compatible with the older model truck. The project manager is working on options for completing this project. Greenville Utilities, the NC Arboretum, the Town of Black Mountain and the Town of Winterville have all begun the procurement process for their replacement vehicles.
EMA 7 - Airport Ground Support Equipment	NA	NA
EMA 8 - Forklifts and Port Cargo Handling Equipment	NA	NA
EMA 9 - Light Duty Zero Emission Vehicle Supply Equipment	NCDEQ-ZEVSE-FY20	For the reporting period, 33 DC Fast projects were awarded. Of those 29 project awards were accepted. 20 projects have fully executed contracts. For the reporting period, 59 Level 2 EV charging infrastructure projects have been awarded and 23 agreements have been fully executed.
EMA 10 - Diesel Emission Reduction Act (DERA) Option	NA	NA
This information is true and correct and the submission is made under penalty of perjury.		4/29/21
	Michael A. Abraczinskas, Director	Date

NCDEQ Diesel Bus & Vehicle Program - EMA 1 Class 8 Local Freight Trucks

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Funding	Reporting Period	Cumulative
Trust Funds Received	\$3,856,727.60	\$3,856,727.60
Funds Expended	\$5,485.61	\$5,485.61
Remaining Balance	\$3,851,241.99	\$3,851,241.99

Summary of EMA 1 Costs for Reporting Period								
# of Class 8 Truck Replacement Projects Completed	Number of Trucks Replaced	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
CNG/Propane	0		\$0.00	\$5,485.61	\$0.00	\$0.00	\$5,485.61	
Diesel	0	\$5,485.61						
TOTALS	0	\$5,485.61	\$0.00	\$5,485.61	\$0.00	\$0.00	\$5,485.61	

Replacement (new or newer) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
1	NCDEQ-Class 8 Trucks-FY20	Fully executed contracts were completed through the end of the reporting period for all ten of the awardees for this EMA category. Charlotte Solid Waste, Cumberland County Solid Waste, Mecklenburg Schools, Mecklenburg Parks, and the Town of Mars Hill have all issued purchase orders for their vehicles that will be replaced per their fully executed contracts. The American Lung Association indicated that one of the vehicles in the original application was involved in an accident and would no longer be eligible for replacement. A substitute vehicle was identified and DAQ reviewed and approved the substitution. Orange Water and Sewer Authority received updated quotes on the vehicle replacement and is currently awaiting approval by their board for the increased cost.

NCDEQ Diesel Bus & Vehicle Program - EMA 2 Class 4-8 School, Shuttle, & Transit Buses

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Funding	Reporting Period	Cumulative
Trust Funds Received	\$18,851,276.66	\$18,851,276.66
Funds Expended	\$45,830.24	\$45,830.24
Remaining Balance	\$18,805,446.42	\$18,805,446.42

Summary of EMA 2 Costs for Reporting Period								
# of Class 4-8 Bus Replacement Projects Completed	Number of Buses Replaced	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
School Bus - All Electric	0	\$45,830.24	\$0.00	\$45,830.24	\$45,830.24	\$0.00	\$45,830.24	
School Bus - Propane	0							
School Bus - Diesel	0							
Shuttle/Transit Bus - All Electric	0							
Shuttle/Transit Bus - Bi-Fuel	0							
Shuttle/Transit Bus - CNG	0							
TOTALS	0	\$45,830.24	\$0.00	\$45,830.24	\$45,830.24	\$0.00	\$45,830.24	

Replacement (new or newer) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
2 - School Buses	NCDEQ-Class 4-8-Buses-FY20	For the reporting period, six out of six awarded school bus replacement projects have fully executed contracts.
2 - Transit Buses	NCDEQ-Class 4-8-Buses-FY20	As of March 31, 2021, 11 out of 13 transit bus project contracts have been executed. No transit projects have been started.

NCDEQ Diesel Bus & Vehicle Program - EMA 3 Freight Switchers

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Fundin	Reporting Period	Cumulative
Trust Funds Received	\$0.00	\$0.00
Funds Expended	\$0.00	\$0.00
Remaining Balance	\$0.00	\$0.00

Summary of EMA 3 Costs for Reporting Period								
# of Freight Switcher Replacement Projects Completed	Number of Freight Switchers Replaced	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
All Electric	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
CNG/Propane	0							
Plug-in Hybrid	0							
Hybrid	0							
TOTALS	0							

Replacement (new or newer) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
3	NA	NA

NCDEQ Diesel Bus & Vehicle Program - EMA 4 Ferries/Tugs

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Fundin	Reporting Period	Cumulative
Trust Funds Received	\$0.00	\$0.00
Funds Expended	\$0.00	\$0.00
Remaining Balance	\$0.00	\$0.00

Summary of EMA 4 Costs for Reporting Period								
# of Ferry/Tug Repower Projects Completed	Number of Ferries/Tugs Repowered	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
All Electric	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
CNG/Propane	0							
Plug-in Hybrid	0							
Hybrid	0							
TOTALS	0							

Repowered Ferry/Tug Engines							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Ferry/Tug Engines							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
4	NA	NA

NCDEQ Diesel Bus & Vehicle Program - EMA 5 Ocean Going Vessels Shorepower

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Fundin	Reporting Period	Cumulative
Trust Funds Received	\$0.00	\$0.00
Funds Expended	\$0.00	\$0.00
Remaining Balance	\$0.00	\$0.00

Summary of EMA 5 Costs for Reporting Period								
# of OGV Shorepower Projects Completed	Number of OGV Shorepower Systems Installed	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
All Electric	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
CNG/Propane	0							
Plug-in Hybrid	0							
Hybrid	0							
TOTALS	0							

Shore Power Systems							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Shore Power Systems							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
5	NA	NA

NCDEQ Diesel Bus & Vehicle Program - EMA 6 Class 4-7 Local Freight Trucks

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Funding	Reporting Period	Cumulative
Trust Funds Received	\$883,681.76	\$883,681.76
Funds Expended	\$2,227.14	\$2,227.14
Remaining Balance	\$881,454.62	\$881,454.62

Summary of EMA 6 Costs for Reporting Period								
# of Class 4-7 Local Freight Trucks Replacement/Repower Projects Completed	Number of Vehicles Replaced/Repowered	Funds Expended (Equipment & Administrative)	Equipment Funds Expended	Administrative Funds Expended	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
CNG/Propane	0		\$0.00	\$2,227.14	\$2,227.14	\$0.00	\$2,227.14	
Diesel	0	\$2,227.14						
TOTALS	0	\$2,227.14	\$0.00	\$2,227.14	\$2,227.14	\$0.00	\$2,227.14	

Replacement (new or newer) Vehicles/Engines							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Vehicles/Engines							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
6	NCDEQ-Class 4-7 Trucks-FY20	Fully executed contracts were completed through the end of the reporting period for six out of seven of the awardees for this EMA category. The final fully executed contract will be completed after the Warrenton Town Council meets on April 12, 2021 and approves the contract. Henderson County was awarded a contract to repower their existing 2006 engine with a 2019 engine in their 2007 Class 7 refuse truck but have been informed by multiple vendors that the 2019 engines are not compatible with the older model truck. The project manager is working on options for completing this project. Greenville Utilities, the NC Arboretum, the Town of Black Mountain and the Town of Winterville have all begun the procurement process for their replacement vehicles.

NCDEQ Diesel Bus & Vehicle Program - EMA 7 Airport Ground Support Equipment

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Fundin	Reporting Period	Cumulative
Trust Funds Received	\$0.00	\$0.00
Funds Expended	\$0.00	\$0.00
Remaining Balance	\$0.00	\$0.00

Summary of EMA 7 Costs for Reporting Period								
# of Airport Ground Support Equipment Replacement Projects Completed	Number of Equipment Replaced	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
All Electric	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
TOTALS	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Replacement (new or newer) Equipment							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
7	NA	NA

NCDEQ Diesel Bus & Vehicle Program - EMA 8 Forklifts and Port Cargo Handling Equipment

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Fundin	Reporting Period	Cumulative
Trust Funds Received	\$0.00	\$0.00
Funds Expended	\$0.00	\$0.00
Remaining Balance	\$0.00	\$0.00

Summary of EMA 8 Costs for Reporting Period								
# of Forklifts and Port Cargo Handling Equipment Replacement Projects Completed	Number of Forklifts and Port Cargo Handling Equipment Replaced	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
All Electric	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
TOTALS	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Replacement (new or newer) Equipment							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
8	NA	NA

NCDEQ DC Fast and Level 2 Infrastructure Programs - EMA 9 Electric Vehicle Supply Equipment

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Funding	Reporting Period	Cumulative
Trust Funds Received	\$5,110,545.39	\$5,110,545.39
Funds Expended	\$11,626.35	\$11,626.35
Remaining Balance	\$5,098,919.04	\$5,098,919.04

Summary of EMA 9 Costs for Reporting Period								
# of Charging Sites Completed	Number of Charging Supply Equipment	Funds Expended (Equipment & Administrative)	Equipment Funds Expended	Administrative Funds Expended	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
DC Fast	0							
Level 2	0	\$11,626.35	\$0.00	\$11,626.35	\$11,626.35	\$0.00	\$11,626.35	
TOTALS	0	\$11,626.35	\$0.00	\$11,626.35	\$11,626.35	\$0.00	\$11,626.35	

Charging Equipment							
Number	Serial Number	Total Cost	VW Funds	Cost Share	Date of Invoicing	Charging kW	Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
9 -DC Fast	NCDEQ-ZEVSE-FY20	For the reporting period, 33 DC Fast projects were awarded. Of those 29 project awards were accepted. 20 projects have fully executed contracts.
9 - Level 2	NCDEQ-ZEVSE-FY20	For the reporting period, 59 Level 2 EV charging infrastructure projects have been awarded and 23 agreements have been fully executed.

NCDEQ Diesel Bus & Vehicle Program - EMA 10 DERA Option

Beneficiary	North Carolina
Lead Agency	NC Department of Environmental Quality
Reporting Period	November 2020 to March 2021

Equipment & Administrative Fundin	Reporting Period	Cumulative
Trust Funds Received	\$0.00	\$0.00
Funds Expended	\$0.00	\$0.00
Remaining Balance	\$0.00	\$0.00

Summary of EMA 10 Costs for Reporting Period								
# of DERA Option Replacement Projects Completed	Number of DERA Option Equipment/Vehicles Replaced	Funds Expended (Equipment & Administrative) for Reporting Period	Equipment Funds Expended for Reporting Period	Administrative Funds Expended for Reporting Period	Cumulative Funds Expended (Equipment & Administrative)	Cumulative Equipment Funds Expended	Cumulative Administrative Funds Expended	Notes
All Electric	0							
CNG/Propane	0							
Plug-in Hybrid	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Hybrid	0							
TOTALS	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Replacement (new or newer) Equipment							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Scrapped (old) Vehicles							
Number	VIN	Total Cost	VW Funds	Cost Share	Date of Invoicing	Engine Model Year	Fuel Type

Eligible Mitigation Action	Beneficiary Plan Project Title	Reporting Period Project Summary
10	NA	NA