



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

Dru Buntin, Director

January 31, 2022

Russell L. Crane
Volkswagen Environmental Mitigation Trust
c/o Wilmington Trust, N.A. as Trustee
1100 North Market Street
Attn: Capital Markets & Agency Services
Wilmington, DE 19890

Dear Russell Crane,

The Missouri Department of Natural Resources has enclosed 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. The department has collected the data relevant to reporting requirements for the six-month period of July 1, 2021, to December 31, 2021.

Thank you for attention to this matter. If you have any questions regarding this submission, please contact Shelly Reimer, with the department's Air Pollution Control Program at P.O. Box 176, Jefferson City, MO 65102 or by phone at (573) 526-1836 or email at shelly.reimer@dnr.mo.gov.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Stephen M. Hall
Director

SMH:jjc

Enclosure



Environmental Mitigation Trust Agreement for State Beneficiaries:
Semi-Annual Report

Reporting Period:
July 1, 2021 through December 31, 2021

Submitted on January 31, 2022
Missouri Department of Natural Resources

Category 1: School Buses: EMA 2

The Department opened the Category 1 application period from July 12, 2021, thru October 12, 2021, and selected projects by lottery. The Department awarded 88 projects totaling \$4,009,432. The Department disburses the awarded amounts only upon completion of each project. All awarded projects are in progress. A project is complete when the new bus is delivered, the old bus is disabled, and proof of payment is verified.

Category 2: Government Owned Medium and Large Trucks: EMA 6, EMA 1

The Department opened the Category 2 application period from July 12, 2021, thru October 12, 2021, and selected the highest scoring projects for funding. The Department used a ranking system based on NO_x reduction, cost-effectiveness, and area of operation. The Department awarded 29 projects totaling \$2,314,454. All awarded projects are in progress. The Department disburses the awarded amounts only upon completion of each project. A project is complete when the new truck is delivered, the old truck is disabled, and proof of payment is verified.

Category 3: Transit and Shuttle Buses: EMA 2

The Department opened the Category 3 application period from July 12, 2021, thru October 12, 2021, and selected the highest scoring projects for funding using a ranking system based on NO_x reduction, cost-effectiveness, and area of operation. The Department did not receive any applications in this category during the application period.

Category 4: Nongovernment Owned Medium and Large Trucks: EMA 6, EMA 1

The Department opened the Category 4 application period from July 12, 2021, thru October 12, 2021, and selected the highest scoring projects for funding using a ranking system based on NO_x reduction, cost-effectiveness, and area of operation. The Department awarded 61 projects totaling \$1,747,108. All awarded projects are in progress. The Department disburses the awarded amounts only upon completion of each project. A project is complete when the new truck is delivered, the old truck is disabled, and proof of payment is verified.

Category 5: Locomotive and Marine: EMA 3, EMA 4

The Department opened the Category 5 application period from July 12, 2021, thru October 12, 2021, and selected the highest scoring projects for funding using a ranking system based on NO_x reduction, cost-effectiveness, and area of operation. This category includes EMA 3 for switch locomotives and EMA 4 for marine engine repowers; however, the air program did not receive any applications for projects falling under EMA 3. The Department awarded one EMA 4 project totaling \$470,000. The project is in progress and thus, no payments disbursed. A project is complete when the new engines are installed, old engines are disabled, and proof of payment is verified.

Category 6: Airport and Cargo Handling Equipment: EMA 7, EMA 8

The Department opened the Category 6 application period from July 12, 2021, thru October 12, 2021, and selected the highest scoring projects for funding using a ranking system based on NO_x reduction, cost-effectiveness, and area of operation. This category includes EMA 7 for airport ground support equipment and EMA 8 for forklifts and port cargo handling equipment; however, the air program did not receive any applications for projects falling under EMA 7. The Department awarded 13 EMA 7 projects totaling \$280,400. All awarded projects are in progress. A project is complete when the new equipment is delivered, the old equipment is disabled, and proof of payment is verified.

Category 7: DERA Option: EMA 10

The Department opened Category 7's application period from July 12, 2021 thru October 12, 2021, and selected projects by lottery. The Department awarded 38 projects totaling \$855,000. All awarded projects are in progress. The Department disburses the awarded amounts only upon completion of each project. A project is complete when the new vehicle is delivered, the old vehicle is disabled, and proof of payment is verified.

Category 8: EV Charging Station: EMA 9

The Department accepted applications from July 12, 2021, thru October 12, 2021. This funding period is for the installation of direct current fast chargers (DCFC) at specific locations to work toward the stakeholder goal of creating a minimum practical highway-charging network. On December 14, 2021, the Department awarded four projects totaling \$1,200,960. The Department disburses the awarded amounts only upon completion of each project. A project is complete when the charging station is installed, available for public use, and proof of payment verified.

Category 1: School Buses		Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO _x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:		0.00	Diesel, Electric, Propane	88	59.8	\$4,009,432	0.00
School Buses: Category 1		0.00	Diesel, Electric, Propane	77 diesel 10 electric 1 propane	59.8	\$4,009,432	0.00

Category 2: Government Owned Trucks (Class 4-8)		Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO _x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:			diesel	29	23.749	\$2,314,454	
Medium (Class 4-7)	50% Cost Share Replacement	0.00	Diesel	8	2.608	\$554,620	0.00
Large (Class 8)	50% Cost Share Replacement	207,626.00	Diesel	21	21.141	\$1,759,834	64,419.83

Category 3: Transit Buses, Shuttle Buses		Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO _x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:							
Transit Buses	50% Cost Share Replacement	842,688.00	-	-	-	-	842,688.00

Category 4: Nongovernment Owned Trucks (Class 4-8)		Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO_x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:				61	235.829	\$1,747,108	
Medium (Class 4-7)	25% Cost Share Replacement	635,647.00	Diesel, Propane	8	11.094	\$160,002	0.00
Large (Class 8)	25% Cost Share Replacement	357,313.00	Diesel	53	224.735	\$1,587,106	357,312.10

Category 5: Locomotive and Marine		Allocation From Trust	New Fuel Type	Awarded Engines	Est. Lifetime NO_x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:				1	204.21	\$470,600	
Marine Repowers	40% Cost Share Repower	0.00	Diesel	1	204.21	\$470,600	0.00

Category 6: Airport and Cargo Equipment		Allocation From Trust	New Fuel Type	Awarded Equipment	Est. Lifetime NO_x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:				13	38.5	\$280,000	
Cargo Equipment	50% Cost Share Replacement	0.00	All-electric	13	38.5	\$280,000	0.00

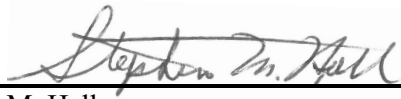
Category 7: DERA Option	Allocation From Trust	New Fuel Type	Awarded Vehicles	Disbursed Vehicles and/or Equipment	Est. Lifetime NO_x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:		Diesel	38				
Nonroad Equipment		Diesel	-		-	-	-
School Buses	695,129.00	Diesel, Gasoline	38	School buses	31.275	\$855,000	256,990.75

Category 8: EV Charging Stations	Allocation From Trust	New Fuel Type	Awarded Infrastructure	Est. Lifetime NO_x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:						
Charging Stations	737,375.30	All-electric	4	n/a	\$1,200,960	737,375.30

Eligible Mitigation Actions	Category	Allocation From Trust	Awarded Applications	New Fuel Type	Awarded Vehicles and Equipment	Est. Lifetime NO_x Reduction (tons)	Funding Awarded	Funding Disbursed
Total:		3,475,788.30	78	Diesel, Propane, Electric	175	561.584	\$11,580,887.01	2,258,785.98
EMA 1	2, 4	564,939.00	11	Diesel, Propane, Electric	27	252.075	\$3,955,597.72	421,731.93
EMA 2	1	842,688.00	44	Diesel	88	60.256	\$4,259,032	842,688.00
EMA 4	5	0.00	1	Diesel	1	204.21	\$470,000	0.00
EMA 6	2, 4	635,647.00	1	Diesel	17	13.768	\$840,297.29	0.00
EMA 8	6	0.00	0	All-Electric	0	0	0	0.00
EMA 9	8	737,375.30	4	All-Electric	4	0	\$1,200,960	737,375.30
EMA 10	7	695,129.00	17	Diesel	38	31.275	\$855,000	256,990.75

<u>Eligible Mitigation Action</u>	<u>Allocation from Trust</u>	<u>Administrative Costs</u>
Total:	37,323.00	66,658.97
EMA 1:	0.00	15,687.89
EMA 2:	6,000.00	29,562.14
EMA 3:	0.00	-5,844.72
EMA 4:	0.00	7,092.72
EMA 6:	323.00	344.31
EMA 7:	0.00	-4,165.84
EMA 8:	0.00	5,835.96
EMA 9:	21,000.00	17,952.21
EMA 10:	0.00	194.30

This information is true and correct and the submission is made under penalty of perjury.



Stephen M. Hall,
Air Pollution Control Program Director