



Missouri Department of dnr.mo.gov

**NATURAL RESOURCES**

Michael L. Parson, Governor

Carol S. Comer, Director

January 27, 2021

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, 2020, to December 31, 2020.

Thank you for attention to this matter. If you have any questions regarding this submission, please contact Emily Wilbur, with the department's Air Pollution Control Program at P.O. Box 176, Jefferson City, MO 65102 or by phone at (573) 751-7840 or email at [emily.wilbur@dnr.mo.gov](mailto:emily.wilbur@dnr.mo.gov).

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Darcy A. Bybee  
Director

DAB:lbc

Enclosure



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

Reporting Period:  
July 1, 2020 through December 31, 2020

Submitted on January 27, 2021  
Missouri Department of Natural Resources

**Category 1: School Buses: EMA 2**

The Department solicited applications from school districts and private bus contractors in March of 2020, extended the application period through May 2020 due to COVID-19 concerns, selected awardees through a lottery system, and in June 2020 notified the awardees of their funding. In July 2020, 44 awardees accepted the awards, totaling 68 projects, with an estimated cost-share of \$3,108,421.72. Of the 68 projects, 29 projects are complete. A project is complete when the new bus has been delivered, the old bus has been 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 in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx reduction, cost-effectiveness, and area of operation. The Department awarded 25 projects totaling \$1,154,331.49, and 13 of these projects are now complete. A project is complete when the new truck has been delivered, the old truck has been disabled, and proof of payment is verified.

**Category 3: Transit and Shuttle Buses: EMA 2**

The Department opened the Category 3 application period in March 2020, extended it through May 2020 due to COVID-19 concerns. The Department did not receive any applications in this category during the 2020 application period.

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

The Department opened the Category 4 application period in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx reduction, cost-effectiveness, and area of operation. The Department awarded 48 projects totaling \$1,496,440.25, and six (6) of these projects are now complete. A project is complete when the new truck has been delivered, the old truck has been disabled, and proof of payment is verified.

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

The Department opened the Category 5 application period in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx 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 for \$580,000. A project is complete when the new engines have been delivered and installed, old engines are disabled/destroyed, 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 in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx 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

one EMA 8 project for \$127,725. A project is complete when the new vehicle has been delivered, the old vehicle has been disabled, and proof of payment is verified.

**Category 7: DERA Option: EMA 10**

The Department opened the Category 7 application period in October 2019 and selected projects by lottery, with a preference for projects that did not qualify for other Volkswagen Trust Categories but qualified for DERA grants. The selected projects include both nonroad equipment replacements and repowers and school bus replacements. In August 2020, the Department awarded three projects totaling \$52,068.75. A project is complete when the new vehicle has been delivered, the old vehicle has been disabled, and proof of payment is verified.

<b>Category 1: School Buses</b>		<b>Allocation From Trust</b>	<b>Awarded Applications</b>	<b>New Fuel Type</b>	<b>Awarded Vehicles</b>	<b>Est. Lifetime NO<sub>x</sub> Reduction (tons)</b>	<b>Funding Awarded</b>	<b>Funding Disbursed</b>
<b>Total:</b>		<b>\$1,758,368</b>	<b>44</b>	<b>Diesel, Electric</b>	<b>68</b>	<b>68</b>	<b>\$3,108,421.72</b>	<b>\$1,677,518</b>
<b>School Buses: Category 1</b>		\$1,758,368	44	Diesel, Electric, Propane	68	68	\$3,108,421.72	\$1,677,518

<b>Category 2: Government Owned Trucks (Class 4-8)</b>		<b>Allocation From Trust</b>	<b>Awarded Applications</b>	<b>New Fuel Type</b>	<b>Awarded Vehicles</b>	<b>Est. Lifetime NO<sub>x</sub> Reduction (tons)</b>	<b>Funding Awarded</b>	<b>Funding Disbursed</b>
<b>Total:</b>		<b>\$531,543.25</b>	<b>10</b>	<b>diesel</b>	<b>25</b>	<b>27.95</b>	<b>\$1,154,331.49</b>	<b>\$446,726</b>
<b>Medium (Class 4-7)</b>	50% Cost Share Replacement	\$158,059.25	4	Diesel	7	6.81	\$305,721.80	\$69,750
<b>Large (Class 8)</b>	50% Cost Share Replacement	\$373,484.00	6	Diesel	18	21.14	\$848,609.69	\$376,976

<b>Category 3: Transit Buses, Shuttle Buses</b>		<b>Allocation From Trust</b>	<b>Awarded Applications</b>	<b>New Fuel Type</b>	<b>Awarded Vehicles</b>	<b>Est. Lifetime NO<sub>x</sub> Reduction (tons)</b>	<b>Funding Awarded</b>	<b>Funding Disbursed</b>
<b>Total:</b>		<b>\$133,819</b>	<b>0</b>					<b>\$133,819</b>
<b>Transit Buses</b>	50% Cost Share Replacement	\$133,819	0					\$133,819

<b>Category 4: Nongovernment Owned Trucks (Class 4-8)</b>		<b>Allocation From Trust</b>	<b>Awarded Applications</b>	<b>New Fuel Type</b>	<b>Awarded Vehicles</b>	<b>Est. Lifetime NO<sub>x</sub> Reduction (tons)</b>	<b>Funding Awarded</b>	<b>Funding Disbursed</b>
<b>Total:</b>		<b>\$2,443,451</b>	<b>4</b>		<b>48</b>	<b>198.874</b>	<b>\$1,496,440.25</b>	<b>\$2,425,382.92</b>
<b>Medium (Class 4-7)</b>	25% Cost Share Replacement	\$0	0	Diesel, Propane	0	0	0	\$0
<b>Large (Class 8)</b>	25% Cost Share Replacement	\$2,443,451	4	Diesel	48	198.874	\$1,496,440.25	\$2,425,382.92

<b>Category 5: Locomotive and Marine*</b>		<b>Allocation From Trust</b>	<b>Awarded Applications</b>	<b>New Fuel Type</b>	<b>Awarded Vehicles</b>	<b>Est. Lifetime NO<sub>x</sub> Reduction (tons)</b>	<b>Funding Awarded</b>	<b>Funding Disbursed</b>
<b>Total:</b>		<b>\$226,306</b>	<b>1</b>		<b>1</b>	<b>81.45</b>	<b>\$580,000</b>	<b>\$226,306</b>
<b>Marine Repowers</b>	40% Cost Share Repower	\$226,306	1	Diesel	1	81.45	\$580,000	\$226,306

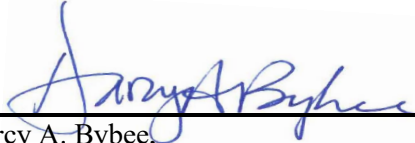
<b>Category 6: Airport and Cargo Equipment</b>		<b>Allocation From Trust</b>	<b>Awarded Applications</b>	<b>New Fuel Type</b>	<b>Awarded Vehicles</b>	<b>Est. Lifetime NO<sub>x</sub> Reduction (tons)</b>	<b>Funding Awarded</b>	<b>Funding Disbursed</b>
<b>Total:</b>		<b>\$158,059.25</b>	<b>1</b>		<b>1</b>	<b>19.157</b>	<b>\$127,725.00</b>	<b>\$69,750</b>
<b>Cargo Equipment</b>	50% Cost Share Replacement	\$158,059.25	1	All-electric	1	19.157	\$127,725.00	\$69,750

Category 7: DERA Option	Allocation From Trust	Disbursed Applications	New Fuel Type	Awarded Vehicles	Disbursed Vehicles/Equipment	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>	<b>\$67,335.00</b>		<b>Diesel, Electric</b>				<b>\$70,474.00</b>	<b>\$67,500.00</b>
<b>Nonroad Equipment</b>			Diesel					
<b>School Buses</b>	\$67,335.00		Diesel, Gasoline	3		3	\$70,474.00	\$67,500.00

Eligible Mitigation Actions	Category	Allocation From Trust	Awarded Applications	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>		<b>\$5,160,822.25</b>	<b>63</b>	<b>Diesel, Propane, Electric</b>	<b>146</b>	<b>398.431</b>	<b>\$6,537,392.46</b>	<b>\$5,047,001.92</b>
<b>EMA 1</b>	2 & 4	2,816,935.00	10	Diesel, Propane, Electric	66	220.014	\$2,345,049.94	\$2,802,358.92
<b>EMA 2</b>	1 & 3	\$1,892,187.00	44	Diesel	68	68	\$3,108,421.72	\$1,811,337.00
<b>EMA 4</b>	5	\$226,306.00	1	Diesel	1	81.45	\$580,000.00	\$226,306.00
<b>EMA 6</b>	2 & 4	\$158,059.25	4	Diesel	7	6.81	\$305,721.80	\$69,750.00
<b>EMA 8</b>	6	\$158,059.25	1	All-Electric	1	19.157	\$127,725	\$69,750
<b>EMA 10</b>	7	\$67,335.00	3	Diesel	3	3	\$70,474.00	\$67,500.00

<u>Eligible Mitigation Action</u>	<u>Allocation from Trust</u>	<u>Administrative Costs</u>
<b>EMA 1:</b>	\$65,000	\$31,220.58
<b>EMA 2:</b>	\$15,000	\$40,414.95
<b>EMA 3:</b>	\$0	\$1,990.62
<b>EMA 4:</b>	\$5,400	\$3,255.06
<b>EMA 6:</b>	\$1,000	\$616.47
<b>EMA 7:</b>	\$0	\$2,457.93
<b>EMA 8:</b>	\$0	\$0
<b>EMA 9:</b>	\$0	\$16,008.08
<b>EMA 10:</b>	\$5,397	\$5,285.73



<p>This information is true and correct and the submission is made under penalty of perjury.</p>	 <hr/> <p>Darcy A. Bybee, Air Pollution Control Program Director</p>
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