

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

**Beneficiary: Michigan**  
**Lead Agency: Department of Environment, Great Lakes, and Energy**  
**Reporting Period: July 1, 2021 - Dec 31, 2021**

	2020	2021	Total
Class 4-8 School Bus	\$2,675,870	\$8,391,274	\$11,067,144
Lt Duty Zero Emission Vehicle Supply Equip	\$0	\$1,057,361	\$1,057,361
Program Administration	\$0	\$154,034	\$154,034
<b>Total Disbursements</b>	<b>\$2,675,870</b>	<b>\$9,602,669</b>	<b>\$12,278,539</b>

Summary of All Costs										
Project Description	VW Mitigation Funds			Match Funds			Total Project Cost			VW Funds Disbursed
	Obligated	Expended	Total	Obligated	Expended	Total	Obligated	Expended	Total	
Electric School Bus Pilot Project <sup>1</sup>	\$0	\$4,197,194	\$4,197,194	\$0	\$1,798,798	\$1,798,798	\$0	\$5,995,992	\$5,995,992	\$4,197,194
Diesel and Propane School Bus	\$1,854,942	\$6,869,950	\$8,724,892	\$4,809,927	\$15,761,950	\$20,571,877	\$6,664,869	\$22,631,900	\$29,296,769	\$6,869,950
Light Duty EV Chargers - Ph 1	\$588,361	\$859,605	\$1,447,966	\$1,487,708	\$1,797,431	\$3,285,138	\$2,076,069	\$2,657,036	\$4,733,105	\$859,605
Light Duty EV Chargers - Ph 2	\$250,448	\$197,756	\$448,204	\$597,420	\$491,075	\$1,088,495	\$847,868	\$688,831	\$1,536,699	\$197,756
Light Duty EV Chargers - Ph 3	\$519,725	\$0	\$519,725	\$1,398,425	\$0	\$1,398,425	\$1,918,150	\$0	\$1,918,150	\$0
Light Duty EV Chargers - Ph 4	\$677,450	\$0	\$677,450	\$2,151,509	\$0	\$2,151,509	\$2,828,959	\$0	\$2,828,959	\$0
Light Duty EV Chargers - Ph 5	\$614,864	\$0	\$614,864	\$1,467,971	\$0	\$1,467,971	\$2,082,834	\$0	\$2,082,834	\$0
Program Administration	\$320,000	\$154,034	\$474,034	\$0	\$0	\$0	\$320,000	\$154,034	\$474,034	\$154,034
<b>Totals</b>	<b>\$4,825,789</b>	<b>\$12,278,539</b>	<b>\$17,104,328</b>	<b>\$11,912,960</b>	<b>\$19,849,253</b>	<b>\$31,762,213</b>	<b>\$16,738,749</b>	<b>\$32,127,792</b>	<b>\$48,866,541</b>	<b>\$12,278,539</b>

Project Narrative		
Project Description	Environmental Mitigation Action #	Project Status
Electric School Bus Pilot Project	2	The Michigan Association for Pupil Transportation Electric School Bus Pilot Project involves the replacement of 17 diesel school buses with 17 new all-electric school buses and charging stations in a total of seven school districts. The old diesel buses were decommissioned, the new all-electric buses were delivered, and the participating schools were reimbursed in full during previous reporting periods. During this reporting period, project partners have begun to use Zonar, a fleet management system, to transmit data from the buses to improve performance. Project partners have also begun to explore the feasibility of vehicle to grid and vehicle to building applications. Data has also been collected to help track energy usage, vehicle operation, maintenance, and energy costs. There was also an opportunity for new teachers to tour and ride on an electric school bus to help them learn more about electric vehicles. The project is scheduled to be completed and the grant agreement closed by December 31, 2022.
Diesel and Propane School Bus Projects	2	Fifteen of the 25 projects have been completed, resulting in the replacement of 143 school buses. The remaining 10 projects are expected to close by December 31, 2022. Once all projects have been fully completed, a total of 295 buses will have been replaced with new diesel or propane school buses.

Project Narrative		
Project Description	Environmental Mitigation Action #	Project Status
Request for Proposal (Multiple Projects, Parts 1, 2 and 3)	1, 2, 3, 4, 5, 6, 7, 8	The multi-year, three-part, \$30 Million Request for Proposals for Class 4-8 Local Freight Trucks, Port Drayage Trucks, Shuttle and Transit Buses, Freight Switchers, Ferries and Tugs, Shorepower, Airport Ground Support Equipment, Forklifts, and Port Cargo Handling Equipment was announced on February 23, 2021. During this reporting period, applications were accepted for Part One, Rounds One and Two. Part One will award up to \$16 million to replace Class 4-8 Local Freight Trucks, Port Drayage Trucks, Shuttle and Transit Buses. Preparation for Part Two began, and it is scheduled to open on February 23, 2022, and will offer up to \$9 million in grants for projects involving Freight Switchers, Great Lakes Ferries and Tugs, and Great Lakes Vessels Shore Power. Part Three is scheduled to open on March 1, 2023, and will offer up to \$5 million for projects involving Airport Ground Support Equipment, Forklifts, and Port Cargo Handling Equipment.
Request for Proposal Part 1	1, 2, 6	Part One is offering up to \$16 million to replace Class 4-8 Local Freight Trucks, Port Drayage Trucks, Shuttle, and Transit Buses. During this reporting period, grant administrators were working to execute 12 grant agreements from Round One to replace Class 4-8 trucks with new diesel, compressed natural gas and all-electric versions. Evaluation of applications for Round Two and Three began. Projects from all three rounds are expected to be completed over the next three years.
Request for Proposal Part 2	3, 4, 5	Part Two of the Request For Proposal will open February 23, 2022, and will offer up to \$9 million to replace or repower freight switchers, repower ferries and tugs, and install shore power for vessels that operate within the Great Lakes. During this reporting period, grant administrators began to create application templates and revise the boilerplate as needed for off-road projects. EGLE staff also met with stakeholders to raise awareness of this upcoming funding opportunity.
Light Duty EV Chargers - Phase 1	9	The Light Duty EV Chargers - Phase 1 (Charge Up Michigan program) received 58 applications for the installation of EV Chargers along Michigan's transportation corridors. As of the date of this report, there are 20 grantees awarded funding. These awards will result in the installation of 60 DC fast chargers and 12 level 2 chargers. There are 58 DC fast chargers and 12 level 2 chargers online in this phase. All projects are expected to be completed by September 30, 2022.
Light Duty EV Chargers - Phase 2	9	The Light Duty EV Chargers - Phase 2 (Charge Up Michigan program) received 9 applications for the installation of EV Chargers along Michigan's transportation corridors. Of these applications, all were evaluated and awarded with 9 grantees. These awards will result in the installation of 17 DC fast chargers. There are 15 DC fast chargers online in this phase. All projects are expected to be completed by September 30, 2022.
Light Duty EV Chargers - Phase 3	9	The Light Duty EV Chargers - Phase 3 (Charge Up Michigan program) received 10 applications for the installation of EV Chargers along Michigan's transportation corridors. Of these applications, all were evaluated and awarded, for a total of 10 grantees. These awards will result in the installation of 23 DC fast chargers. There are 15 DC fast chargers online in this phase. All projects are expected to be completed by September 30, 2022.
Light Duty EV Chargers - Phase 4	9	The Light Duty EV Chargers - Phase 4 (Charge Up Michigan program) received 12 applications for the installation of EV Chargers along Michigan's transportation corridors. All of these applications were evaluated and awarded, with a total of 8 grantees. These awards will result in the installation of 28 DC fast chargers. There are 10 DC fast chargers online in this phase. All projects are expected to be completed by September 30, 2022.

Project Narrative		
Project Description	Environmental Mitigation Action #	Project Status
Light Duty EV Chargers - Phase 5	9	The Light Duty EV Chargers - Phase 5 (Charge Up Michigan program) received 9 new applications for the installation of EV Chargers along Michigan's transportation corridors. Of these applications, all were evaluated and awarded with 7 grantees. These awards will result in the installation of 23 DC fast chargers. There are 8 DC fast chargers online in this phase. All projects are expected to be completed by September 30, 2022.

<sup>1</sup> Funds adjusted to reflect actual expenditures on the projects.  
Grantee payments are final.

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

  
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*This document has been electronically signed.*

January 31, 2022  
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 Date

Materials Management Division, Director