

**DIESEL EMISSION REDUCTION ACT (DERA) AND VOLKSWAGEN (VW) ENVIRONMENTAL MITIGATION TRUST FUND PROGRAMS SUMMARY**

Fiscal Year(FY)	Funding Source	VW Phase (PH)	Grant #	Project Period	Project Partner	Project Type	Project Details	Funds (\$)			Total Award (\$)	Projected Lifetime Emission Reductions (in short tons)					Status	
								EPA	VW	State of Delaware		NO <sub>x</sub>	PM <sub>2.5</sub>	HC	CO	Total		
FY2008	DERA	N/A	05-97368501-4	10/01/2008 - 09/30/2013	Port of Wilmington	Engine	4 - diesel engine replacements	295,320.00	0.00	196,880.00	492,200.00	4.82	1.2	2.74	10.3	19.06	Complete	
						Equipment	2 - diesel oxidation catalyst retrofit (yard jockey)											
						Equipment	2 - diesel oxidation catalyst retrofit (crane)											
						Equipment	1 - diesel oxidation catalyst retrofit (truck)											
FY2009	DERA	N/A			City of Dover	Equipment	9 - Diesel particulate filters replaced	352,941.00	0.00	235,294.00	588,235.00	0	7.06	14.14	62.67	83.87	Complete	
					City of Newark	Equipment	5 - Diesel particulate filters replaced											
FY2009	ARRA	N/A	20-97376401-0	04/20/2009 - 03/31/2011	School bus operators (Capita, Cape Henlopen, Providence Creek Charter, & Matthew L. Smith)	Equipment	45 - Diesel particulate filter retrofits and closed crankcase filters	625,350.00	0.00	0.00	625,350.00						Complete	
					CaBare	Infrastructure	24 spacers installed with Truck Stop Electrification @ Smyrna Rest area	547,530.00	0.00	0.00	547,530.00	84.41	5.77	6.44	31.25	127.87	Complete	
					DNREC Division of Parks	Engine	2 - diesel engines replaced with clean diesel microturbine engines @ Fort Delaware	165,000.00	0.00	0.00	165,000.00							Complete
					City of Wilmington	Equipment	23 - diesel particulate retrofits (sanitation trucks)	365,824.00	0.00	0.00	365,824.00							Complete
FY2010	DERA	N/A	05-97368501-4	10/01/2008 - 09/30/2013	Delaware Department of Transportation	Equipment	18 - diesel particulate filter retrofits (heavy duty trucks)	352,941.00	0.00	235,294.00	588,235.00	0	17.3	30.07	129.76	177.13	Complete	
					Colonial School District	Equipment	17 - diesel particulate filter retrofits (school bus)											
FY2011	DERA	N/A			DNREC - Division of Parks	Equipment	16 - diesel particulate filter retrofits (utility and maintenance trucks)	283,284.00	0.00	188,856.00	472,140.00	451.91	4.82	0	43.38	500.11	Complete	
					Wilmington Tug - Delaware Bay Launch Service	Engine	2 - diesel propulsion engines replaced on Tug Lindsey											
FY2012	DERA	N/A	N/A	N/A	State of Delaware did not participate	N/A	N/A	0.00	0.00	0.00	0	0	0	0	0	0	Non-participate	
FY2013	DERA	N/A	05-96323901-0	10/01/2013 - 09/30/2014	Wilmington Tug - Delaware Bay Launch Service	Engine	2 - diesel propulsion engines were replaced @ Big Stone 5	108,363.00	0.00	0.00	108,363.00	11.99	1.25	0	2.5	17.74	Complete	
FY2014	DERA	N/A			Delaware Department of Transportation	Equipment	1 - diesel Street Sweeper	114,395.00	0.00	0.00	114,395.00	8.271	0.0004	0.36	1.1465	9.7779	Complete	
FY2015	DERA	N/A	05-96323501-3	06/01/2014 - 09/30/2017	Amtrak	Engine	1 - diesel Transfer Table engine replaced	15,650.00	0.00	8,937.50	24,587.50	2.544	0.182	0.185	0.88	3.791	Complete	
					Delaware Department of Education	School Bus	2 - diesel school buses replaced with clean diesel	35,006.75	0.00	0.00	35,006.75	0.288	0.132	0.026	0.15	0.596	Complete	
FY2016	DERA	N/A	05-96323501-3	06/01/2014 - 09/30/2017	Delaware Department of Education	School Bus	1 - diesel school bus	21,177.75	0.00	0.00	21,177.75	0.143	0.007	0.013	0.076	0.239	Complete	
					School Mule, Inc	School Bus	4 - diesel school buses replaced with propane	80,825.00	0.00	0.00	80,825.00	0.362	0.034	0.05	0.061	0.507	Complete	
FY2017	DERA	N/A	05-9633101-2	10/01/2017 - 09/30/2019	Sutton Bus and Truck Co., Inc.	School Bus	4 - diesel school buses replaced with propane	80,825.00	0.00	0.00	80,825.00	0.358	0.028	0.049	0.073	0.508	Complete	
					Bowman Bus Service, Inc.	School Bus	1 - diesel school bus	24,200.00	0.00	0.00	24,200.00	0.143	0.007	0.013	0.076	0.239	Complete	
					Hill's Bus Service	School Bus	2 - diesel school bus	46,500.00	0.00	0.00	46,500.00	0.192	0.004	0.013	0.082	0.293	Complete	
					Davis Bus Service	School Bus	1 - diesel school bus	23,250.00	0.00	0.00	23,250.00	0.132	0.003	0.009	0.07	0.214	Complete	
FY2018	DERA/VW	PH1 Y1	05-9633101-2	10/01/2017 - 09/30/2019	Maryland Transportation	School Bus	1 - diesel school bus	24,758.75	0.00	0.00	24,758.75	0.143	0.007	0.013	0.076	0.239	Complete	
					School Mule, Inc	School Bus	4 - diesel school buses replaced with propane	94,875.00	0.00	0.00	94,875.00	0.276	0.025	0.032	0.063	0.365	Complete	
2019	VW	PH1 Y1	N/A	10/02/2017 - 10/02/2027	Delaware Department of Education	School Bus	31 - diesel school buses replaced (18- propane & 13 clean diesel)	396,410.25	274,182.00	0.00	670,592.25	8.204	0.611	1.143	3.629	13.587	Complete	
					Delaware Department of Education	School Bus	26 - diesel school buses replaced (17- propane & 9 - clean diesel)	0.00	721,045.20	0.00	721,045.20	8.809	0.776	1.272	4.421	15.278	Complete	
FY2019	DERA	N/A	05-96367901-4	10/01/2019 - 07/31/2025	DNREC - Division of Fish & Wildlife	Non-Road Vehicle	1 - diesel excavator replaced	156,000.00	0.00	0.00	156,000.00	0.457	0.022	0.033	0.151	0.663	Complete	
					Delaware Department of Education	School Bus	24 - diesel school buses replaced (1- propane & 23 - clean diesel)	0.00	641,758.50	0.00	641,758.50	4.272	0.244	0.477	1.491	6.484	Complete	
2020	VW	PH2	N/A	10/02/2017 - 10/2/2027	The Teen Warehouse, Inc.	School Bus	1 - diesel school bus replaced with electric (include infrastructure)	0.00	160,437.60	0.00	160,437.60	0.484	0.040	0.065	0.240	0.829	Complete	
					Waste Management of Delaware, Inc.	Waste Truck	10 - solid waste trucks replaced with compressed natural gas	316,019.00	183,981.00	0.00	500,000.00	16.532	0.8259	0.7675	3.8254	21.954	Complete	
FY2020	DERA	N/A	05-96367901-4	10/01/2019 - 07/31/2025	DNREC - Division of Watershed Stewardship	Engine	2 - Caterpillar Engines for Bypass system (as Electric (include infrastructure)	270,000.00	0.00	0.00	270,000.00	1.645	0.083	0.135	0.586	2.449	Complete	
					Bowman Bus Service, Inc.	School Bus	1 - diesel school bus	50.00	50.00	0.00	0	0	0	0	0	0	Declined	
					Sutton Bus and Truck Co., Inc	School Bus	8 - diesel school bus replaced with propane	57,143.00	128,857.00	0.00	186,000.00	0.995	0.001	0.002	0.619	1.617	Complete	
					Delaware Department of Education	School Bus	34 - diesel school buses replaced (13- propane & 21 - clean diesel)	0.00	961,215.30	0.00	961,215.30	6.258	0.332	0.564	0.990	8.144	Complete	
FY2021	DERA/VW	PH4	05-9636001-3	10/01/2021 - 09/30/2025	DNREC - Division of Fish & Wildlife	Dump Truck	5 - Diesel flat bed dump trucks replaced	0.00	628,482.92	0.00	628,482.92	0.031	0.031	0.072	0.144	0.278	Complete	
					ASA Transportation	School Bus	1 - diesel school bus replaced	10,978.00	11,147.00	0.00	22,125.00	0.260	0.023	0.036	0.131	0.45	Complete	
					Lehane's Bus Service Inc.	School Bus	3 - diesel school bus replaced	0.00	65,154.25	0.00	65,154.25	0.780	0.070	0.107	0.394	1.351	Complete	
					School Mule Inc.	School Bus	2 - diesel school bus replaced	45,825.00	0.00	0.00	45,825.00	0.268	0.001	0.013	0.054	0.336	Complete	
FY2022	DERA	N/A	05-9636001-3	10/01/2021 - 09/30/2025	Waste Management of Delaware, Inc.	Waste Truck	10 - solid waste trucks replaced (compressed natural gas)	169,099.00	330,901.00	0.00	500,000.00	14.745	0.596	0.652	3.608	18.601	Complete	
					Delaware Department of Education	School Bus	19 - diesel school buses replaced (14- propane & 5 - clean diesel)	0.00	624,204.90	0.00	624,204.90	3.037	0.075	0.277	1.231	4.71	Complete	
					Grubb Lumber Co Inc.	Non-Road Vehicle	6 - Diesel forklifts replaced with electric	0.00	210,379.95	0.00	210,379.95	5.649	0.004	0.046	0.160	5.859	Complete	
					Red Clay Consolidated School District	School Bus	1 - Diesel school bus with electric (include infrastructure) Red Clay needs to complete the electric charging infrastructure with VW funds.	36,363.00	121,737.30	0.00	158,100.30	0.214	0.001	0.014	0.061	0.290	Incomplete	
FY2023	DERA	N/A	05-96332401-0	10/01/2021 - 09/30/2026	Division of Coastal Climate Energy	Infrastructure	DCFE Fast Charging Funding Request - HDZ A CAG PROJECT - Included only for VW spending - State of Delaware (RSGG) Approved cost share	0.00	1,451,502.44	0.00	1,451,502.44	N/A	N/A	N/A	N/A	N/A	Complete	
					Ruspi Construction, Inc.	Dump Truck	2 - Diesel trucks replaced with diesel	0.00	68,163.25	0.00	68,163.25	0.214	0.001	0.014	0.061	0.29	Complete	
					Evergreen Waste Service LLC	Waste Truck	5 - Diesel waste trucks replaced with electric	0.00	1,528,425.00	0.00	1,528,425.00	17.054	0.671	0.605	3.973	22.303	Complete	
					ASA Transportation Inc.	School Bus	1 - Diesel school bus replaced with gasoline	29,176.25	0.00	0.00	29,176.25	0.151	0.001	0.004	0.045	0.489	Complete	
FY2022	DERA	N/A	05-9636001-3	10/01/2021 - 09/30/2025	Division of Watershed Stewardship	Dump Truck	3 - Diesel Truck Replacements	117,278.00	0.00	0.00	117,278.00	2.155	0.154	0.26	0.603	3.172	Complete	
					Lehane's Bus Service Inc.	School Bus	3 - Diesel School buses replaced with clean diesel	66,850.00	30,900.00	0.00	87,750.00	0.780	0.070	0.107	0.394	1.351	Complete	
FY2023	DERA	N/A	05-96332401-0	10/01/2021 - 09/30/2026	School Mule Inc.	School Bus	1 - Diesel School Bus replacement with clean diesel	32,348.00	0.00	0.00	32,348.00	0.126	0.000	0.010	0.021	0.157	Complete	
					Logan Transportation LLC	School Bus	3 - Diesel School buses replaced with clean diesel	0.00	0.00	0.00	0	0	0	0	0	0	0	Declined
Total Spending								5,361,685.75	8,131,474.61	865,261.50	14,359,421.86	661.11	42.44	60.82	308.85	1073.21		