

Utah Clean Diesel Program Accomplishments

Fiscal Year Funding	Project Name	Federal U.S. Environmental Protection Agency Grant Funding	State/Local/Other Funding	Project	Annual Emission Reductions (tons)				Lifetime Emission Reductions (tons)			
					NOx	PM	HC	CO	NOx	PM	HC	CO
2008	UT Clean School Bus Project	\$2,693,000	\$300,000	Retrofitted over 1,204 diesel school buses with diesel oxidation catalysts (DOC) and closed crankcase ventilation systems on school buses; and	0	23.76	65.51	359.95	0	33.83	43.55	4693.78
				Replaced 27 diesel school buses with newer, cleaner models.	77.58	3.11	3.75	17.1	844.86	33.83	43.55	285.06
2009	Utah Clean Trucking Initiative	\$352,941	\$235,294	Install Auxiliary Power Units on 58 long-haul trucks.	15.43	0.3601	0	0	385.7	9.002	0	0
2010	FY10 Utah Clean Diesel Project	\$352,941	\$327,567	Repowered five of North Salt Lake City's diesel maintenance trucks to compressed natural gas (CNG) engines; and Replaced two diesel delivery trucks with new CNG delivery trucks.	4.373	0.1548	0.1148	0.7574	52.84	1.978	1.437	9.313
2011	FY11 State Clean Diesel Project	\$282,458	\$490,066	Replaced an unregulated construction grader with a new Tier 4 grader; and Replaced a Tier 2 rubber tire loader with a new, Tier 4 rubber tire loader; and Repowered a 1992 box truck to an engine with more stringent emissions standards.	1.503	0.1186	0.1515	0.8585	0	0	0.2373	6.047
2011	FY11 National Clean Diesel Project	\$772,056	\$644,005	Installed of Auxiliary Power Units on 10 long-haul trucks; and Installed engine pre-heaters on 11 school buses; and Retrofitted 13 long-haul trucks with diesel particulate filters; and Retrofitted 12 long-haul trucks with diesel oxidation catalysts, 11 of which were combined with APUs, and three of those combined with aerodynamic kits (trailer skirts); and Replaced one long-haul truck, 13 non-road tractors, and two gensets with newer, cleaner models.	13.363	1.1	0.915	4.836	407.678	29.0112	25.015	116.7348
2012	FY12 State Clean Diesel Grant	\$190,119	\$126,746	Retrofitted 24 Utah Department of Transportation (UDOT) snow plows with diesel oxidation catalysts; and Replaced a diesel campus shuttle bus with a new CNG shuttle bus.	0.052	0.03	0.032	0.276	1.508	0.466	0.491	4.475
2013	FY13 State Clean Diesel Grant	\$113,331	\$124,572	Retrofitted 20 UDOT snow plows with diesel oxidation catalysts; and Replaced a diesel short-haul local delivery truck with a new CNG short-haul truck.	0.052	0.023	0.022	0.201	1.508	0.0376	0.373	3.527
2013	FY13 National Clean Diesel Grant	\$488,309	\$181,268	Replaced one diesel short-haul truck with a new CNG short-haul truck, replaced one dumpster/tender with current model year equipment; and Retrofitted 18 Class 8, long-haul trucks with diesel particulate filters, six of which were bundled with idle-reduction technologies-five engine pre-heaters and one APU.	2.01	0.882	0.697	3.52	52.1	18.2	14.5	73.3
2014	FY14 State Clean Diesel Grant and matching CARROT funding	\$122,293	\$81,529	Replaced two diesel school buses with newer, cleaner models; and Retrofitted five UDOT maintenance vehicles and one nonroad piece of equipment with diesel particulate filters; and Retrofitted 14 city/county vehicles with diesel oxidation catalysts.	0.1922	0.027	0.0217	0.1132	1.73	0.4068	0.3052	1.6067
2014	FY14 National Clean Diesel Grant	\$500,000	\$38,962	Retrofitted two Class 8, long-haul trucks and 25 UDOT maintenance trucks with diesel particulate filters.	0	0.246	0.177	0.892	0	4.344	3.124	15.808
		\$5,867,448	\$2,550,009	Totals	114.5552	29.8115	71.391	388.5041	1747.924	131.1056	132.58	5209.6515
In Progress:					Anticipated Emissions Reductions:							
2015	FY15 State Clean Diesel Grant	\$187,144	\$125,000	Replacing two UDOT maintenance trucks and three diesel school buses with newer, cleaner models.	0.31	0.014	0.013	0.069	7.425	0.333	0.329	1.647
2015	FY15 National Clean Diesel Grant	\$500,000	\$1,440,000	Replacing 15 diesel school buses with newer, cleaner models.	2.561	0.064	0.131	0.6	74.27	1.856	3.799	17.4
2016	FY16 State Clean Diesel Grant	\$200,312	\$185,207	Repowering one diesel shuttle bus to all-electric.	0.01	0.001	0.001	0.003	0.098	0.007	0.008	0.031
2016	FY16 National Clean Diesel Grant	\$1,009,814	\$2,500,986	Retrofitting five city/county vehicles with diesel oxidation catalysts as well as five short-haul trucks with a combination of diesel oxidation catalysts and engine pre-heaters for idle-reduction; and Replacing 21 diesel school buses and one refuse hauler with newer, cleaner models; and Installing engine pre-heaters for idle-reduction on 24 school buses.	2.38	0.142	0.214	1.33	63.619	3.142	5.151	29.364
2016	Targeted Air Shed Grant	\$2,477,250	\$2,376,500	Replacing 33 diesel school buses for Cache, Logan, and Provo school districts with newer, cleaner models.	7.025	0.541	1.04	2.197	130.66	10.76	18.618	40.8662

Note: State Clean Diesel Grants have a one-year project period. National Clean Diesel Grants have a two-year project period. FY15 & 16 state and national grants are still in process. FY15 will be completed by September 30, 2017, and FY16 will be completed by September 30, 2018.