



# National DERA Awarded Grants

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This searchable and sortable table lists Diesel Emissions Reduction Act grants awarded in fiscal years from 2008 to present. Final award amounts and project descriptions may change as the projects are completed. The information on this page will be updated periodically. The list of DERA funded Tribal grants can be found on the [Tribal DERA Awarded Grants](#) page.

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Year	DERA Program	State	Recipient	EPA Funding	Description	Fleet(s)
2022-2023	National	California	San Joaquin Valley Unified Air Pollution Control District	\$4,500,000	Replace eighteen on-road trucks with new zero emission trucks.	Agriculture
2022-2023	National	California	San Joaquin Valley Unified Air Pollution Control District	\$4,500,000	Replace one hundred-two agricultural off-road diesel agricultural tractors with one hundred-two Tier 4 2023-2024 mobile off-road agricultural tractors.	Agriculture
2022-2023	National	Hawaii	Business, Economic Development And Tourism, Hawai'i Department Of	\$4,500,000	Replace approximately six large diesel transit buses, five school buses, and six smaller diesel equipment or vehicles with zero emission vehicles, either an electric or hydrogen equivalent including a charging station for electric vehicles.	Agriculture:Airport:Port:School Bus:Transit
2022-2023	National	California	CoNapa - County Of Napa	\$1,237,502	Retrofit up to seven unregulated and uncontrolled switch locomotives into three repowered Tier 4 non-road switch locomotives.	Agriculture:Freight:Transit
2022-2023	National	New York	New York City And Lower Hudson Valley Clean Communities, Inc	\$1,437,814	Replace thirty non-road airport ground support equipment vehicles with thirty new zero-emission battery-electric non-road airport ground	Airport

					support equipment vehicles.	
2022-2023	National	California	Port Department Of The City Of Oakland	\$544,500	Replace one 2006 diesel refuse hauler and one 2003 diesel water truck with 2024 electric vehicles.	Airport:Port
2022-2023	National	Michigan	Southwest Detroit Environmental Vision Project	\$3,274,583	Replace one legacy diesel-powered marine tugboat with a Tier 3 diesel marine engine; replace nine short haul single units with liquified petroleum gas/propane units; and replace three long haul single units and forty-five long haul combination units with ultra-low sulfur diesel units.	Construction:Freight:Industrial:Port
2022-2023	National	North Carolina	County Of Mecklenburg, North Carolina	\$600,000	Replace one dozer/loader, seven excavators, two generators, one school bus, and nine on-road heavy duty vehicles with newer equipment.	Construction:Freight:School Bus
2022-2023	National	Texas	Texas Department Of Transportation	\$535,850	Replace six heavy-duty on road legacy diesel short haul dump trucks with six 2023-2024 ultra-low sulfur diesel trucks.	Construction:Industrial:Municipal
2022-2023	National	Virginia	James Madison University	\$3,500,000	Replace seventy-two short haul combination diesel engines with renewable Compressed Natural Gas trucks.	Freight
2022-2023	National	Illinois	Environmental Initiative	\$3,327,648	Replace eighteen class 8 short-haul delivery trucks with eighteen class 8 zero-tailpipe emission delivery trucks.	Freight
2022-2023	National	Texas	Fort Bend County	\$2,956,500	Replace twenty-two diesel heavy duty on road trucks with	Freight

					twenty-two electric heavy duty on road trucks.	
2022-2023	National	Texas	Coalition For Sustainable Initiatives Inc	\$2,685,750	Replace fifty-seven eligible trucks with compressed natural gas trucks.	Freight
2022-2023	National	California	San Diego County Air Pollution Control District	\$1,592,404	Replace ten diesel trucks with Class 6 electric vehicles.	Freight
2022-2023	National	California	University Of California, San Diego	\$161,644	Replace one 2007 diesel Class 6 truck with one 2024 zero-emission battery electric Class 6 truck.	Freight
2022-2023	National	Illinois	American Lung Association	\$3,986,369	Replace forty-two engines with two zero-emission refuse haulers, two clean diesel trucks, four zero-emission refuse haulers, five compressed natural gas refuse haulers, eleven compressed natural gas refuse haulers, one zero-emission terminal tractor, sixteen clean diesel trucks, and one zero-emission terminal tractor.	Freight:Industrial
2022-2023	National	New Mexico	American Lung Association	\$2,418,202	Replace one diesel terminal tractor with one zero-emission terminal tractor; replace four diesel refuse haulers with four zero-emission electric refuse haulers; replace six diesel refuse haulers with six optional low nitrogen oxide compressed natural gas refuse haulers; and replace nine short-haul freight trucks with nine model year 2024 or newer clean diesel short-haul freight trucks.	Freight:Industrial
2022-2023	National	Missouri	American Lung Association	\$1,715,131	Replace one diesel terminal tractor with one zero-emission	Freight:Industrial

					terminal tractor; replace three diesel regional-haul delivery trucks with three zero-emission regional haul delivery trucks; replace eleven diesel refuse haulers with eleven compressed natural gas refuse haulers; and purchase eight Auxiliary Power Units for line-haul locomotives.	
2022-2023	National	Colorado	Drive Clean Colorado	\$3,281,107	Replacing six diesel Class 6 box trucks, and 15 on-road heavy duty diesel tractors with new battery electric vehicles.	Freight:Industrial
2022-2023	National	Colorado	Coalition For Sustainable Initiatives Inc	\$2,946,930	Replace thirty-five eligible terminal tractors and delivery trucks with new battery electric alternatives.	Freight:Industrial
2022-2023	National	Nevada	Department Of Conservation And Natural Resources	\$747,000	Replace four diesel-powered, freight delivery Class 8 trucks with four battery-electric units.	Freight:Industrial
2022-2023	National	Florida	American Lung Association	\$2,402,255	Replace eight diesel terminal tractors with eight zero-emission terminal tractors; replace fourteen short-haul freight trucks with fourteen 2024 or newer clean diesel short-haul freight trucks; and replace three diesel delivery trucks with three zero-emission electric delivery trucks.	Freight:Industrial:Port
2022-2023	National	Washington	Puget Sound Clean Air Agency	\$1,065,000	Replace seven diesel-fueled yard trucks with all-electric yard trucks.	Freight:Municipal

2022-2023	National	Missouri	Metropolitan Energy Center, Inc.	\$2,832,804	Replace three diesel school buses with propane buses; replace four terminal trucks with battery-electric and install two direct current fast charger charging stations; replace eight Class 6-7 delivery vans with battery-electric models.	Freight:Municipal:School Bus
2022-2023	National	Utah	State Of Utah Dept Of Environmental Quality	\$3,000,000	Replace twenty-five Class 5-8 diesel vehicle replacements, including refuse trucks and school buses.	Freight:Municipal:School Bus
2022-2023	National	District of Columbia	Government Of The District Of Columbia	\$3,467,780	Replace one fire truck with one Zero Emissions Vehicle; replace one refuse truck with one Zero Emissions Vehicle; replace five Transportation Refrigeration Units with Zero Emission Equipment; and replace four transit vehicles with Zero Emissions Vehicles.	Freight:Municipal:Transit
2022-2023	National	Connecticut	Connecticut Maritime Foundation, Inc.	\$1,999,953	Replace two Tier 0 propulsion engines with two Tier 4 certified propulsion engines and replace two Tier 0 auxiliary generator set engines with two Tier 3 auxiliary generator sets in a single tugboat.	Freight:Port
2022-2023	National	Idaho	American Lung Association	\$885,158	Replace six Tier 3 marine engines for three marine vessels; and install twenty-one diesel Auxiliary Power Units for locomotives.	Freight:Port
2022-2023	National	Georgia	Columbia-Willamette Clean Cities Coalition, Inc.	\$1,000,000	Replace five cranes, three excavators and one rubber-tired bulldozer with new	Industrial

					Tier 4 non-road equipment.	
2022-2023	National	Massachusetts	Columbia-Willamette Clean Cities Coalition, Inc.	\$1,554,999	Replace three excavators and five dumpers/tenders with Tier 4 ultra-low sulfur diesel excavators and dumpers/tenders.	Industrial:Port
2022-2023	National	District of Columbia	Greater Washington Region Clean Cities Coalition	\$689,772	Replace sixteen municipal on-road and nonroad utility vehicles with ten new vehicles equipped with Selective Catalytic Reduction.	Municipal
2022-2023	National	Florida	Miami-Dade County	\$1,483,400	Replace eight 2002 and 2007 trash trucks, five 2002 and 2007 cranes, six 2003 and 2006 roll-off trucks, one 2003 backhoe, and one 2005 pay loader with EPA certified replacements.	Municipal
2022-2023	National	Florida	Seminole Tribe Of Florida	\$387,500	Replace three diesel powered municipal emergency vehicles with cleaner emergency vehicles.	Municipal
2022-2023	National	Illinois	Chicago Department Of Transportation	\$3,825,000	Replace ten diesel bucket trucks with 10 battery-electric bucket trucks.	Municipal
2022-2023	National	Texas	North Central Texas Council Of Governments	\$2,999,155	Replace two diesel Class 7 short-haul trucks with two new diesel Class 7 short-haul trucks; replace four diesel Class 8 refuse haulers with four new low nitrogen oxides certified Class 8 utility refuse haulers; and replace one diesel Class 8 refuse hauler with one new all-electric powered Class 8 utility refuse hauler.	Municipal
2022-2023	National	Missouri	Southeast Missouri Regional Planning & Economic	\$117,164	Replace three dump trucks with new	Municipal

			Development Commission		diesel engine vehicles.	
2022-2023	National	Utah	North Tooele Fire Protection Service District	\$219,828	Replace one structural firefighting engine/pumper with a new firefighting engine/pumper.	Municipal
2022-2023	National	Arizona	County Of Mohave	\$391,812	Replace one 2003 diesel fire engine with EPA certified diesel fire engine; and replace two 2007-2008 diesel medium-duty ambulances with two gasoline medium duty ambulances.	Municipal
2022-2023	National	Oregon	City of Portland	\$611,536	Replace two 2014 municipal Class 6 aerial lift utility trucks with 2025 battery-electric vehicle equivalent trucks.	Municipal
2022-2023	National	Nebraska	Nebraska Department Of Environment & Energy	\$395,450	Replace one Class 7 refuse hauler with a Compressed Natural Gas truck; and replace two Class 6, six Class 7, and three Class 8 school buses with new diesel buses.	Municipal:School Bus
2022-2023	National	New Jersey	The Port Authority Of New York And New Jersey	\$2,500,000	Replace one hundred 2009 or older port drayage trucks with one hundred newer port drayage trucks.	Port
2022-2023	National	New Jersey	South Jersey Port Corporation	\$228,037	Replace one diesel-powered 35,500-pound forklift with one electrically powered 36,000-pound forklift.	Port
2022-2023	National	New Jersey	Leonardo Academy Inc	\$3,498,847	Replace nine diesel Tier 3 Straddle Carriers with Electric-Hybrid Straddle Carriers.	Port
2022-2023	National	New Jersey	Leonardo Academy Inc	\$1,239,117	Replace nine diesel Tier 4 Yard Trucks with nine electric	Port

					vehicle Yard Trucks and corresponding Inductive Charging Truck Pads.	
2022-2023	National	Maryland	Maryland Environmental Service	\$3,474,392	Replace thirteen terminal tractors with eight zero-emission units and five tier 4 final engines; replace twenty-three forklifts with zero-emission units; and replace three tire manipulation trucks, two diesel-powered mobile pumps, and one diesel-powered air compressor with tier 4 final engines.	Port
2022-2023	National	Virginia	Virginia Port Authority	\$972,000	Replace four diesel utility tractor rigs with four new battery electric utility tractor rigs.	Port
2022-2023	National	Florida	Broward, County Of	\$2,500,000	Install a portside load transformer and switch gear; a mobile cable management system; and cables and connection point for electricity supply for use by ships at berth.	Port
2022-2023	National	Louisiana	Louisiana Clean Fuels, Inc	\$1,815,256	Retrofit sixteen Tier 0-2 main engines and seven Tier 0-2 auxiliary engines with Tier 3 engines in eight towboats.	Port
2022-2023	National	Texas	Port Of Houston Authority	\$3,000,000	Retrofit eight diesel rubber tire gantry cranes with hybrid diesel-electric motors.	Port
2022-2023	National	California	South Coast Air Quality Management District	\$4,500,000	Replace twenty-two diesel Class 8 drayage trucks with twenty-two zero-emission Class 8 drayage trucks.	Port
2022-2023	National	California	Ventura County Air Pollution Control District	\$1,967,886	Replace six diesel Class 8 trucks with	Port



					new battery electric vehicles.	
2022-2023	National	Oregon	Columbia-Willamette Clean Cities Coalition, Inc.	\$1,500,000	Replace two diesel Tier-0 marine propulsion engines on a tugboat with two new Tier 4 diesel marine propulsion engines.	Port
2022-2023	National	Washington	Port of Bellingham	\$514,955	Replace the engines up to five privately-owned vessels with new, lower emissions engines.	Port
2022-2023	National	Washington	The Northwest Seaport Alliance	\$900,000	Replace thirty pre-2007 drayage trucks with newer, cleaner diesel versions with 2017 or newer engines.	Port
2022-2023	National	New York	Connecticut Maritime Foundation, Inc.	\$6,215,254	Replace twenty-six uncontrolled, Tier 1, and Tier 2 propulsion engines with twenty-six Tier 3 certified propulsion engines; and replace four auxiliary generator set engines with four Tier 3-powered auxiliary generator sets.	Port: Freight
2022-2023	National	North Carolina	North Carolina State Ports Authority, WIL	\$708,750	Replace 2 diesel container handlers and 4 diesel drayage trucks with new diesel vehicles.	Port: Freight
2022-2023	National	Massachusetts	Boston, City Of	\$2,000,000	Retrofit battery-electric engines on fifteen diesel school buses and install fifteen direct current fast chargers and supporting infrastructure.	School Bus
2022-2023	National	Massachusetts	Boston, City Of	\$2,000,000	Replace ten class 7 diesel school buses with 10 battery-electric school buses; and install ten direct current fast chargers and supporting infrastructure.	School Bus

2022-2023	National	Kentucky	Marion County Board Of Education	\$34,449	Replace two buses with two Tier 4 buses.	School Bus
2022-2023	National	Iowa	Bellevue Community School District	\$62,500	Replace one 2004 diesel Freightliner school bus and one 2006 diesel Freightliner school bus with two new 2024 diesel school buses.	School Bus
2022-2023	National	Iowa	Riverside Community School District	\$34,750	Replace one 1997 diesel school bus with a 2025 diesel school bus.	School Bus
2022-2023	National	Missouri	Leonardo Academy Inc	\$912,017	Replace sixteen diesel school buses with sixteen propane powered school buses.	School Bus
2022-2023	National	Colorado	Elbert School District 200	\$45,000	Replace one school bus with a new Tier 4 diesel school bus.	School Bus
2022-2023	National	California	Somis Union School District	\$417,281	Replace one diesel school bus with one zero-emission battery-electric school bus; and install one Vehicle-to-Grid capable Level 3 charger.	School Bus
2022-2023	National	Colorado	The Regents Of The University Of Colorado	\$1,862,828	Replace two model year 2006 diesel transit buses with battery electric buses.	Transit
2022-2023	National	Arizona	Northern Arizona University	\$991,772	Replace two model year 2008 diesel transit buses with battery electric buses.	Transit
2022-2023	National	Washington	Central Puget Sound Regional Transit Authority	\$347,200	Replace seven locomotive Tier 2 head end power unit engines with new Tier 3 head end power engines.	Transit
2021	National	Illinois	American Lung Association	\$1,280,000.00	Install locomotive APUs, and replace diesel trucks with electric vehicles.	Construction:Freight:Municipal
2021	National	Texas	American Lung Association	\$2,376,578.00	Replace 24 short haul trucks with	Freight

					new diesel vehicles, and replace 9 terminal tractors with electric equipment.	
2021	National	Iowa	American Lung Association	\$422,155.00	Replace a marine vessel and engines with a new, cleaner vessel.	Port
2021	National	California	Cajon Valley Union School District	\$304,500.00	Replace 5, Class 6 diesel trucks with battery electric trucks.	Freight
2021	National	California	City of Los Angeles, Harbor Department	\$2,025,000.00	Replace a Tier 0+ diesel engine on a switch locomotive with battery electric technology.	Port
2021	National	Florida	City of Ocala	\$990,000.00	Replace 4 diesel refuse trucks with electric vehicles.	Municipal
2021	National	Ohio	Cleveland-Cuyahoga County Port Authority	\$186,250.00	Replace a bulk terminal loader with a new piece of equipment.	Port
2021	National	Wisconsin	Coalition for Sustainable Initiatives	\$1,130,443.00	Replace various diesel vehicles and equipment with new, cleaner vehicles.	Construction:Freight:School Bus
2021	National	Georgia	Cobb County School District	\$1,000,000.00	Replace school buses with propane school buses and electric school buses.	School Bus
2021	National	Oregon	Columbia Corridor Association	\$372,630.00	Replace 5 heavy duty trucks with new, cleaner vehicles.	Construction:Port
2021	National	Arizona	Columbia-Willamette Clean Cities Coalition	\$1,380,770.00	Replace diesel TRUs and install electrified parking spaces for idle reduction.	Freight
2021	National	Missouri	Community R-VI School District	\$25,875.00	Replace a diesel school bus with a new, cleaner bus.	School Bus
2021	National	Connecticut	Connecticut Maritime Foundation	\$231,529.00	Replace marine propulsion engines and emergency gen sets with new Tier 3 engines.	Transit

2021	National	New York	Connecticut Maritime Foundation	\$490,164.00	Replace 4 marine propulsion engines in 2 ferries with Tier 4 engines.	Port
2021	National	Louisiana	East Baton Rouge Parish School System	\$733,975.00	Replace 20 school buses with new propane school buses.	School Bus
2021	National	Louisiana	Environmental Initiative	\$646,284.00	Replace 2 auxiliary engines on each of 10 tugboats.	Port
2021	National	Georgia	Georgia Ports Authority	\$1,191,445.00	Replace dray trucks with newer, cleaner vehicles.	Freight:Port
2021	National	District of Columbia	Greater Washington Region Clean Cities Coalition	\$659,405.00	Replace 4 utility vehicles and 10 municipal construction vehicles and operate the new equipment on B100.	Municipal
2021	National	New York	Hudson Valley Clean Communities	\$345,811.00	Replace 3 engines in 3 crew boats with Tier 3 engines.	Port
2021	National	New York	Hudson Valley Clean Communities	\$720,618.00	Replace 19 TRUs with fully electric TRUs.	Freight
2021	National	Kansas	Kansas Department of Transportation (KDOT)	\$127,536.00	Upgrade 7 line-haul locomotives with certified engine upgrade kits.	Freight
2021	National	New Jersey	Leonardo Academy	\$1,484,606.00	Replace 7 diesel terminal tractors with electric tractors.	Port
2021	National	Michigan	Leonardo Academy	\$149,646.00	Replace engine on Class 8 diesel terminal tractor with 100% electric terminal tractor engine	Freight
2021	National	Ohio	Leonardo Academy	\$615,553.00	Replace 4 terminal tractors with electric terminal tractors.	Freight
2021	National	Louisiana	Leonardo Academy Inc.	\$93,007.00	Replace 4 short haul trucks with new, cleaner vehicles.	Industrial
2021	National	Missouri	Leonardo Academy Inc.	\$449,707.00	Replace 10 diesel school buses with propane powered school buses	School Bus

2021	National	Maryland	Maryland Environmental Service	\$1,841,624.00	Replace diesel powered yard trucks and forklifts and welder with Tier 4 equipment, and replace 3 drayage trucks with electric vehicles.	Port
2021	National	Iowa	Mason City, City of	\$117,206.00	Replace 2 heavy duty trucks and operate the new vehicles on B100.	Municipal
2021	National	Kansas	Metropolitan Energy Center	\$1,457,181.00	Replace 16 long-haul freight trucks, replace 2-4 transit buses and/or off-road cargo handlers.	Freight
2021	National	Florida	Miami-Dade County, Solid Waste Management	\$2,000,000.00	Install shore power project to allow docked cruise ships to use electric power and shut off their diesel engines.	Port
2021	National	Pennsylvania	Mid-Atlantic Regional Air Management Association	\$1,396,677.00	Replace 40 drayage trucks with newer, cleaner vehicles.	Port
2021	National	Pennsylvania	Philadelphia Regional Port Authority	\$1,286,521.00	Convert a ship to shore gantry crane from diesel to electric.	Port
2021	National	Missouri	Platte County R3 School District	\$47,500.00	Replace 2 diesel school buses with new, cleaner buses.	
2021	National	New York	Port Authority of NY & NJ	\$1,025,000.00	Replace port drayage trucks with newer, cleaner vehicles.	Port
2021	National	Texas	Port of Houston Authority	\$2,500,000.00	Repower two marine vessels (4 engines) with new Tier 4 marine engines.	Port
2021	National	Washington	Puget Sound Clean Air Agency	\$1,000,000.00	Replace 9 yard trucks with electric yard trucks.	Freight
2021	National	Rhode Island	Rhode Island Department of Environmental Management Office of Air Resources	\$561,656.00	Replace a terminal support vehicle with Tier 4, replace 4, Class 7 and 7, Class 8 trucks with new vehicles.	Construction:Freight:Industrial:Port

2021	National	California	San Joaquin Valley Unified Air Pollution Control District	\$2,789,518.00	Replace agricultural tractors in the San Joaquin Valley area.	Agriculture
2021	National	California	San Joaquin Valley Unified Air Pollution Control District	\$2,789,518.00	Replace regional haul trucks with Low NOx vehicles.	Freight
2021	National	Missouri	Sikeston R-6 Schools	\$81,667.00	Replace 3 diesel school buses with new, cleaner buses.	School Bus
2021	National	South Carolina	South Carolina Ports Authority	\$1,301,200.00	Replace 8 drayage trucks with electric powered vehicles.	Port
2021	National	California	South Coast Air Quality Management District	\$2,349,995.00	Replace yard hostlers and intermodal box connector carts.	Freight:Port
2021	National	Indiana	South Shore Clean Cities	\$1,100,000.00	Replace 18 refuse trucks and 5 drayage trucks with new, diesel vehicles, and replace 2 short haul trucks with electric vehicles, 6 refuse trucks with CNG trucks, and 4 long haul trucks with RNG vehicles.	Freight:Port:Transit
2021	National	Indiana	South Shore Clean Cities	\$1,260,348.00	Replace various nonroad equipment with Tier 4 models.	Construction:Industrial:Mining:Port
2021	National	Connecticut	South Shore Clean Cities (SSCC)	\$563,562.00	Replace a Tier 1 bulk good material handler with Tier 4 hybrid diesel electric handler.	Port
2021	National	Missouri	Southeast Missouri Regional Planning Commission	\$28,750.00	Replace an on-road dump truck with a new, cleaner truck.	Municipal
2021	National	Michigan	Southwest Detroit Environmental Vision Project	\$1,946,863.00	Replace a variety of diesel trucks with new, cleaner vehicles.	Construction:Freight:Industrial:Municipal
2021	National	Texas	Texas Department of Transportation	\$751,275.00	Replace 15 dump trucks with new, cleaner diesel vehicles.	Municipal
2021	National	Washington	The Northwest Seaport Alliance	\$719,957.00	Replace drayage trucks with new, cleaner trucks.	Port

2021	National	Massachusetts	Town of Arlington	\$326,579.00	Replace 2 diesel school buses with battery electric school buses.	School Bus
2021	National	Colorado	University of Colorado Boulder	\$948,100.00	Replace 2 diesel transit buses with battery electric buses.	Transit
2021	National	Puerto Rico	University of Puerto Rico	\$1,009,060.00	Replace long haul trucks with new vehicles.	Port
2021	National	Utah	Utah Department of Environmental Quality, Division of Air Quality	\$2,349,604.00	Replace refuse and short-haul delivery trucks with new, cleaner trucks.	Freight:Municipal
2021	National	Missouri	Wheatland R-II Schools	\$38,608.00	Replace a diesel school bus with a new, cleaner bus.	School Bus
2021	National	Missouri	Winona R-III School District	\$29,183.00	Replace a diesel school bus with a new, cleaner bus.	School Bus
2020	National	Iowa	Dunkerton Community School District	\$42,000.00	Replace 1 school bus with a propane bus.	School Bus
2020	National	Missouri	SE MO Regional Planning Commission	\$43,925.00	Replace a dump truck with new diesel vehicle.	Municipal
2020	National	Missouri	SE MO Regional Planning Commission	\$47,453.00	Replace a dump truck with new diesel vehicle.	Municipal
2020	National	Missouri	SE MO Regional Planning Commission	\$64,725.00	Replace a dump truck and on-road tractor.	Municipal
2020	National	Wisconsin	Leonardo Academy Inc.	\$80,678.00	Replace 2 marine diesel engines with Tier III engines.	Port
2020	National	Idaho	ID Dept. of Environmental Quality	\$108,000.00	Replace 5 school buses and 1 transit bus.	School Bus:Transit
2020	National	Iowa	City of Davenport IA	\$116,250.00	Replace 3 dump trucks with new diesel vehicles.	Municipal
2020	National	Iowa	National Biodiesel Foundation	\$123,252.00	Replace 2 utility vehicles and operate them on B100.	Municipal
2020	National	Colorado	Leonardo Academy Inc.	\$123,820.00	Replace 2 construction cranes with Tier 4 equipment.	Construction

2020	National	Missouri	Leonardo Academy Inc.	\$218,944.00	Replace 10 school buses with new propane vehicles.	School Bus
2020	National	Minnesota	Leonardo Academy Inc.	\$314,365.00	Replace 4 construction cranes with Tier 4 equipment.	Construction
2020	National	Washington	Port of Seattle	\$323,773.00	Install marine shore power at Bell Street Cruise Terminal.	Port
2020	National	Texas	Alamo Area Council of Governments	\$328,078.00	Replace 2 terminal tractors with all electric equipment.	Freight
2020	National	Oregon	Columbia Corridor Association	\$348,320.00	Replace 1 switch locomotive with a Tier 4 diesel.	Freight
2020	National	Massachusetts	Massachusetts Port Authority	\$387,266.00	Replace engines in 2 pilot boats.	Port
2020	National	Rhode Island	Rhode Island D.E.M.	\$410,410.00	Replace 4 drayage trucks and 2 nonroad terminal vehicles.	Port
2020	National	New York	The Port Authority of NY & NJ	\$420,000.00	Replace 12 terminal tractors with new Tier 4 tractors.	Port
2020	National	North Carolina	Mecklenburg County	\$500,000.00	Offer rebates for a variety of highway and nonroad replacements.	Construction:Municipal
2020	National	Oregon	Professional Business Development Group	\$541,234.00	Replace 8 short haul trucks with new diesel vehicles.	Construction:Port
2020	National	Illinois	City of Chicago	\$591,360.00	Replace 6 street sweepers with new Low NOx CNG trucks.	Municipal
2020	National	Illinois	Regional Transportation Assoc d/b/a Metra	\$594,765.00	Replace 7 pieces of nonroad equipment.	Transit
2020	National	Michigan	Coalition for Sustainable Initiatives	\$631,360.00	Replace 15 school buses, 7 cement mixers, and 1 crane.	Construction:School Bus
2020	National	Massachusetts	American Lung Association National Office	\$631,962.00	Replace 21 short haul trucks with new diesel trucks.	Freight
2020	National	Pennsylvania	Nat'l School Transportation Association Inc	\$632,500.00	Replace 25 diesel school buses.	School Bus



2020	National	Connecticut	Connecticut Maritime Foundation Inc.	\$733,743.00	Replace 5 marine engines on 2 tugboats.	Port
2020	National	Florida	City of Ocala	\$777,000.00	Replace 5 diesel refuse haulers with new all-electric refuse trucks.	Municipal
2020	National	Washington	The Northwest Seaport Alliance	\$782,482.00	Replace 6 terminal tractors at a railyard with battery electric tractors.	Port
2020	National	Colorado	Regents of the University of Colorado	\$791,871.00	Replace 2 diesel transit buses with battery electric buses.	Transit
2020	National	South Carolina	Berkeley Charleston Dorchester Council of Govt	\$805,500.00	Replace 2 diesel transit buses with battery electric buses.	Transit
2020	National	New York	Connecticut Maritime Foundation Inc.	\$1,037,213.00	Replace the engines in a ferry vessel with 2 new diesel engines.	Port
2020	National	Arizona	City of Phoenix	\$1,096,362.00	Replace 9 refuse haulers with low NOx CNG haulers.	Municipal
2020	National	Georgia	Georgia Ports Authority	\$1,100,000.00	Replace 37 drayage trucks.	Port
2020	National	Georgia	FultonCo BoE - Fulton County Board of Education	\$1,144,492.00	Replace 46 diesel school buses with propane buses.	School Bus
2020	National	Puerto Rico	University of Puerto Rico - Med Sciences Campus	\$1,151,979.00	Replace 11 drayage trucks and 3 school buses.	Port:School Bus
2020	National	New York	Bay Shore Union Free School District	\$1,152,687.00	Replace 7 school buses with all electric buses.	School Bus
2020	National	Louisiana	Port of New Orleans dba Board of Commissioners	\$1,240,247.00	Replace 34 drayage trucks.	Port
2020	National	New York	The Port Authority of NY & NJ	\$1,250,000.00	Provide rebates for 50 drayage truck replacements.	Port
2020	National	District of Columbia	National Biodiesel Foundation	\$1,277,134.00	Replace 15 refuse haulers, 4 dump trucks, 2 mounted cranes, 1 bucket truck, and 2 heavy utility vehicles.	Municipal
2020	National	Mississippi	Southwest Detroit Environmental	\$1,282,426.00	Replace 6 short-haul tractors and 22 long	Freight:Port

			Vision		haul tractors.	
2020	National	Kansas	Metropolitan Energy Center	\$1,366,990.00	Replace 16 long-haul and 9 short haul trucks with CNG vehicles, replace 10 school buses with propane buses.	Freight:School Bus
2020	National	Kansas	American Lung Association	\$1,381,957.00	Replace 33 short-haul trucks, install 2 APUs on line-haul locomotives, and replace 2 excavators with Tier 4 equipment.	Construction:Freight
2020	National	Illinois	American Lung Association National Office	\$1,517,300.00	Replace 4 transit buses with all-electric buses.	Transit
2020	National	Texas	American Lung Association National Office	\$1,523,954.00	Convert 5 terminal tractors to electric, and replace 14 terminal tractors with new diesel equipment.	Freight:Port
2020	National	Illinois	American Lung Association National Office	\$1,605,142.00	Replace 8 short-haul trucks, replace 14 refuse haulers with low NOx CNG refuse haulers, and install 35 APUs on line haul locomotives.	Freight:Municipal
2020	National	Texas	Coalition for Sustainable Initiatives	\$1,636,800.00	Replace 29 trucks with CNG vehicles.	Freight
2020	National	Pennsylvania	Mid-Atlantic Regional Air Mgmt Assoc Inc	\$1,658,252.00	Replace 5 marine engines in a work boat, replace 40 drayage trucks.	Port
2020	National	Louisiana	Regional Planning Commission (RPC)	\$1,691,916.00	Replace 19 diesel-powered Transport Refrigeration Units (TRUs) with fully electric TRUs.	Freight
2020	National	Florida	Miami -Dade County/Solid Waste Mgmt	\$1,852,500.00	Replace 23 refuse haulers and 2 long haul trucks.	Municipal
2020	National	California	San Diego County APCD	\$2,017,660.00	Replace 1 diesel tugboat with zero-emission electric vessel.	Port
2020	National	California	South Coast AQMD	\$2,240,721.00	Replace 40 TRUs with 15 all-electric and 26 hybrid-	Freight

					electric TRUs. Install 194 electrified parking spaces for TRU idle-reduction.	
2020	National	Virginia	Virginia Port Authority	\$2,375,000.00	Replace 10 diesel straddle carriers with Tier 4 hybrid powered equipment.	Port
2020	National	Texas	North Central Texas Council of Governments	\$2,498,086.00	Replace 10 diesel Transport Refrigeration Units (TRUs) with all-electric units. Replace the engine in a switch locomotive and replace 3 school buses with all electric.	Freight:Industrial:School Bus
2020	National	Utah	UT Department of Environmental Quality	\$2,600,000.00	Replace 24 refuse haulers, 10 short-haul delivery trucks, and 5 school buses.	Freight:Municipal:School Bus
2020	National	California	San Joaquin Valley Unified APCD	\$3,250,000.00	Replace 85 agricultural tractors new Tier 4 equipment.	Agriculture
2020	National	California	San Joaquin Valley Unified APCD	\$3,615,564.00	Replace 15 yard trucks and 8 short-haul trucks with zero emission electric trucks.	Agriculture
2019	National	Missouri	Community R-VI School District	\$21,508.00	Replace 1 school bus with a new diesel bus.	School Bus
2019	National	Missouri	SE MO Regional Planning Commission	\$84,354.00	Replace one dump truck with new diesel equipment .	Construction
2019	National	Missouri	SE MO Regional Planning Commission	\$121,099.00	Replace 1 front-end loader and 1 truck.	Mining
2019	National	Iowa	National Biodiesel Foundation	\$164,877.00	Replace 3 snow plows with new trucks and fuel with 100% biodiesel	Municipal
2019	National	Missouri	SE MO Regional Planning Commission	\$283,750.00	Replace 2 refuse haulers and 1 aerial platform.	Municipal
2019	National	Texas	Houston-Galveston Area Council	\$333,740.00	Replace yard tractors at a warehouse facility with all-electric yard	Freight

					tractors and chargers.	
2019	National	Texas	Alamo Area Council of Governments	\$343,739.00	Replace 2 terminal tractors with all-electric models, including associated charging infrastructure.	Freight
2019	National	Georgia	Clean Cities - Partnership for Clean Transportation Inc dba Clean Cities - Georgia	\$420,740.00	Install idle reduction with electrified parking spaces for refrigerated trailers at 4 distribution centers.	Freight
2019	National	Washington	Columbia-Willamette Clean Cities Coalition Inc.	\$504,606.00	Replace 10 TRUs with all-electric TRUs, and install 48 electrified parking spaces for electric TRUs.	Freight
2019	National	Louisiana	East Baton Rouge Parish School System	\$526,592.00	Replace 20 diesel school buses with propane fueled school buses.	School Bus
2019	National	Utah	Coalition for Sustainable Initiatives	\$529,225.00	CFSI will compete funding for short haul truck replacement in Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming.	Freight
2019	National	Washington	City of Tacoma	\$542,684.00	Replace 4, 2009 diesel powered refuse trucks, with CNG refuse trucks.	Municipal
2019	National	Massachusetts	CLF Ventures	\$546,610.00	Replace 1 auxiliary and 1 propulsion engine with Tier 3 diesel engines.	Port
2019	National	Connecticut	City of Stamford	\$568,750.00	Replace 7 refuse haulers with new diesel vehicles.	Municipal
2019	National	Pennsylvania	PhilaRegAuth - Philadelphia Regional Port Authority	\$598,200.00	Replace 4 diesel terminal tractors with electric tractors, including the associated electrical infrastructure.	Port
2019	National	New York	CLF Ventures	\$809,819.00	Replace the propulsion and/or auxiliary engines in	Port

					5 vessels with Tier 3 engines.	
2019	National	Louisiana	American Lung Association	\$986,957.00	Replace 34 diesel Class 8 short-haul trucks.	Freight
2019	National	Massachusetts	Massachusetts Port Authority	\$990,000.00	Replace 28 baggage tractors, 9 belt loaders, and 7 push back tugs with all-electric airport ground support equipment.	Airport
2019	National	Washington	The Northwest Seaport Alliance	\$1,000,000.00	Install marine shore power at two ship berths for container vessels at Husky Terminal in Tacoma, Washington.	Port
2019	National	Arizona	City of Phoenix	\$1,000,000.00	Replace 18 diesel refuse hauler trucks with new CNG Class 8 refuse trucks that meet CARB optional low-NOx standards.	Municipal
2019	National	New Jersey	The Port Authority of NY & NJ	\$1,050,000.00	Replace 42 old drayage trucks with new diesel trucks.	Port
2019	National	Minnesota	Environmental Initiative Inc.	\$1,151,207.00	Replace 11 on-road Class 8 trucks, 2 front end loaders, 4 excavators, and 1 street sweeper.	Construction:Industrial:Municipal
2019	National	Illinois	South Shore Clean Cities Inc.	\$1,151,208.00	Replace 18 trucks, 1 wheel loader, 2 marine engines, and 5 refuse haulers with new diesel vehicles. Replace six refuse trucks with CNG low NOx trucks, and 1 material handler with an all-electric handler.	Construction:Freight:Industrial:Port
2019	National	Illinois	Coalition for Sustainable Initiatives	\$1,327,070.00	Replace 55 combination short haul trucks, 11 concrete mixers and two dump trucks.	Construction:Freight
2019	National	Pennsylvania	Mid-Atlantic Regional Air Mgmt Assoc Inc	\$1,384,989.00	Replace 40 drayage trucks.	Port

2019	National	Puerto Rico	University of Puerto Rico - Med Sciences Campus	\$1,411,113.00	Replace 15 drayage trucks and 2 long haul trucks.	Port
2019	National	Ohio	American Lung Association	\$1,450,000.00	Install 7 APUs for switch locomotives, replace 36 vehicles with new diesel or CNG vehicles.	Freight:Industrial:Municipal
2019	National	Kansas	Metropolitan Energy Center	\$1,499,542.00	Replace 20 long-haul and 4 delivery trucks with CNG trucks, 5 long haul trucks with new diesel trucks, and award rebates for transit bus and cargo handling equipment replacement with all electric vehicles.	Airport:Freight:Transit
2019	National	California	City of Long Beach - Harbor Dept	\$1,500,000.00	Replace 3 RTG cranes with hybrid Tier 4 diesel-electric RTG cranes, replace the engine in a crane with a Tier 4, and replace the engines in a marine vessel with Tier 3s.	Port
2019	National	Texas	Coalition for Sustainable Initiatives	\$1,500,441.00	CFSI will compete funding for Class 6 and Class 8 truck replacement in Arkansas, Louisiana, New Mexico, Oklahoma and Texas.	Freight
2019	National	Florida	City of St. Petersburg	\$1,510,701.00	Replace 17 refuse haulers with CNG trucks.	Municipal
2019	National	Michigan	Southwest Detroit Environmental Vision	\$1,750,000.00	Replace short and long haul trucks and various municipal and construction vehicles.	Construction:Freight:Municipal:Port
2019	National	New York	Connecticut Maritime Foundation Inc.	\$1,832,567.00	Replace Tier 1 propulsion and auxiliary generator set engines in a Ferry with Tier 3 engines.	Port
2019	National	Georgia	FultonCo BoE - Fulton County Board of Education	\$1,990,838.00	Replace 83 diesel school buses with propane buses.	School Bus

2019	National	South Carolina	South Carolina Dept. of Health & Envir. Control	\$2,000,000.00	Replace the engines in 13 rubber tired gantry cranes with hybrid electric systems.	Port
2019	National	Virginia	James Madison University	\$2,037,316.00	Replace 70 UPS short haul trucks with new diesel and CNG trucks.	Freight
2019	National	Mary	Maryland Environmental Service	\$2,037,316.00	Replace 4 cargo handling equipment and 64 drayage trucks with new diesel equipment	Port
2019	National	California	San Joaquin Valley Unified APCD	\$2,246,080.00	Replace 3 diesel locomotive switchers with new Tier 4 switchers.	Freight
2019	National	California	South Coast AQMD	\$2,289,581.00	Replace 2014 and newer diesel trucks with new low NOx trucks. The 2014 and newer diesel trucks will then replace pre-2006 short haul and drayage trucks.	Freight:Port
2019	National	California	San Joaquin Valley Unified APCD	\$2,365,987.00	Replace 29,1996-2009 trucks within the San Joaquin Valley with zero-emission, electric trucks.	Freight
2019	National	Utah	UT Department of Environmental Quality	\$2,400,000.00	Replace 35 short- and long-haul trucks and 13 nonroad pieces of nonroad equipment with new vehicles.	Airport:Construction:Freight:Industrial
2019	National	Texas	North Central Texas Council of Governments	\$2,494,496.00	NCTCOG will compete funding for vehicle and equipment replacements and locomotive idle reduction projects.	Construction:Municipal:School Bus
2019	National	California	San Joaquin Valley Unified APCD	\$3,604,401.00	Replace 103 agricultural tractors with new Tier 4 equipment.	Agriculture
2018	National	Minnesota	Lyle Public School District	\$20,000.00	Replace one school bus	School Bus
2018	National	South Dakota	Sioux Falls School District	\$175,000.00	Replace seven school buses	School Bus

2018	National	Missouri	Southeast Missouri Regional Planning Commission	\$191,985.50	Replace two front-end loaders	Construction
2018	National	Michigan	Elkton Pigeon Bay Port Laker Schools	\$234,078.00	Replace eight school buses	School Bus
2018	National	California	City of Los Angeles - Harbor Dept	\$279,750.00	Replace one terminal sweeper and four engines on two tugboats	Port
2018	National	Missouri	Southeast Missouri Regional Planning Commission	\$365,545.00	Mississippi River workboat engine replacement	Port
2018	National	Illinois, Wisconsin	National School Transportation Association	\$370,844.00	Replace 17 school buses with propane buses	School Bus
2018	National	Alabama	Alabama State Port Authority	\$400,000.00	Switcher locomotive engine replacement	Port
2018	National	Texas	Houston-Galveston Area Council	\$425,327.00	Replace or repower diesel-powered yard tractors and truck refrigeration units with all-electric models.	Freight
2018	National	Indiana	Wisconsin Clean Cities Southeast Area, Inc.	\$475,000.00	Replace 12 drayage trucks and one wheel loader	Port
2018	National	Wisconsin	Leonardo Academy Inc.	\$494,503.00	Replace 34 short haul trucks	Freight: Delivery
2018	National	Massachusetts	Massachusetts Port Authority	\$541,817.00	Replace 43 Ground Support Equipment (GSE) units with all-electric.	Port: Ground Support
2018	National	Illinois, Michigan, Indiana, Minnesota, Ohio, Wisconsin	Coalition for Sustainable Initiatives	\$555,000.00	Replace 19 short haul trucks with diesel and LNG trucks	Freight: Short Haul
2018	National	Oregon	Columbia Corridor Association	\$576,419.00	Replace nine drayage and refuse trucks	Port: Drayage; Freight: Refuse Hauler
2018	National	Massachusetts	CLF Ventures	\$579,991.00	Engine replacement in ferry vessel	Port
2018	National	Connecticut	Connecticut Maritime Foundation Inc.	\$653,277.00	Engine replacement in ferry vessel.	Port
2018	National	Illinois, Indiana, Michigan	American Lung Association	\$660,526.00	Install 48 Auxiliary Power Units (APUs) for locomotives, install 4 Diesel	Freight: Locomotive; Municipal: Short Haul



					Particulate Filters (DPFs) on municipal vehicles	
2018	National	California	City of Los Angeles - Los Angeles World Airports	\$674,865.00	Replace three buses with electric buses	Airport: Transit Bus
2018	National	District of Columbia	American Lung Association	\$684,453.76	Replace 72 short haul trucks (31-diesel; 36 CNG; 5 LNG)	Freight: Long Haul
2018	National	New York	Bay Shore Union Free School District	\$695,509.00	Replace school buses with all-electric buses	School Bus
2018	National	Texas	Texas Department of Transportation	\$710,000.00	Replace 14 dump trucks and one aerial truck	Municipal: Refuse Hauler, Ground Support
2018	National	California	South Coast Air Quality Management District	\$719,500.00	Replace one switcher locomotive operating at Port of Long Beach, and send replaced locomotive to Mojave Desert Air Quality Management District to replace an older unit	Port
2018	National	Oregon	Columbia-Willamette Clean Cities Coalition Inc.	\$740,518.00	Install verified exhaust controls on 4 heavy-duty trucks used in goods movement and delivery to and from port facilities, warehouses and retail locations in urban areas. Replace 12 refrigerated trailers with electrified refrigerated trailers.	Freight
2018	National	Louisiana	East Baton Rouge Parish School System	\$789,888.00	Replace 30 school buses	School Bus
2018	National	District of Columbia	Metropolitan Washington Council of Governments	\$881,611.48	Repower 4 diesel propulsion engines and 4 auxiliary engines on two marine passenger vessels operating on the Potomac River in Washington, DC and surrounding jurisdictions in	Port

					Maryland and Virginia	
2018	National	Washington	Puget Sound Clean Air Agency	\$900,000.00	Replace 22 old diesel school buses with new propane buses.	School Bus
2018	National	New Mexico	City of Albuquerque dba Environmental Health Department	\$909,697.00	Replace 24 (number will be reduced based on partial funding) diesel fueled, medium and heavy-duty, on-road vehicles.	Other
2018	National	Missouri	Owner-Operator Independent Drivers Association Foundation	\$943,725.00	Install Auxiliary Power Units (APUs) in pre-2007 long haul trucks	Freight: Long Haul
2018	National	Texas	North Central Texas Council of Governments	\$1,000,000.00	Install 73 EPS for refrigerated trailers	Freight: Delivery, Transportation Refrigeration Unit
2018	National	California	Cajon Valley Union School District	\$1,000,000.00	Replace five school buses with battery-electric buses	School Bus
2018	National	Missouri	Metropolitan Energy Center	\$1,052,524.00	Replace 21 long-haul trucks [2 Compressed Natural Gas (CNG), 7 Liquid Natural Gas (LNG) and 12 diesel], replace 1 refuse truck, install 128 EPS.	Municipal: Long Haul, Refuse Hauler
2018	National	Texas	North Central Texas Council of Governments	\$1,150,139.00	Replace 17 vehicles	Municipal: Refuse Hauler, Emergency, Construction; School Bus
2018	National	California	Bay Area Air Quality Management District	\$1,160,292.50	Replacement six non-road material handling equipment	Ports and Industrial: Material Handling
2018	National	Maryland	Mid-Atlantic Regional Air Management Association	\$1,341,117.00	Replace 40 drayage trucks	Port
2018	National	Puerto Rico	University of Puerto Rico Medical Sciences Campus	\$1,344,276.00	Replace 10 drayage trucks and 12 school buses	Port: Drayage; School Bus
2018	National	California	San Joaquin Valley Unified Air Pollution Control District	\$1,578,850.00	Replace 100 agricultural tractors	Agriculture

2018	National	North Carolina	Mecklenburg County	\$1,600,000.00	Replace 120 nonroad Ground Support Equipment (GSE) replacement projects, one (1) nonroad terminal tractor replacement project, and one (1) on-road vehicle repower project.	Airport:Construction
2018	National	California	South Coast Air Quality Management District	\$1,601,523.00	Replace 16 drayage trucks with Low Nitrogen Oxides (NOx) Compressed Natural Gas (CNG) trucks	Port
2018	National	Minnesota	Environmental Initiative	\$1,850,408.00	Propulsion and auxiliary engine replacement on tugboats, replace 4 Class 8 trucks, replace 3 front end loaders, replace 1 switcher locomotive, replace 1 crane, and replace 1 material handler with all-electric.	Port: Marine; Freight, Locomotive, Refuse Hauler, Construction, Material Handling
2018	National	Georgia	Fulton County Board of Education	\$1,962,097.00	Replace 85 school buses with new propane powered buses	School Bus
2018	National	New Jersey	The Port Authority of NY & NJ	\$2,000,000.00	Replace 80 EMY 1996 through 2006 port drayage trucks with 80 newer port drayage trucks meeting EMY 2013 emission standards.	Port
2018	National	Michigan	Southwest Detroit Environmental Vision	\$2,092,680.00	Replace 20 Class 8 tractors, replace 15 dump trucks, and replace 1 crane with all-electric	Port: Refuse Hauler, Cargo Handling, Construction
2018	National	California	San Joaquin Valley Unified Air Pollution Control District	\$2,200,000.00	Replace 105 Class 5-8 trucks	Freight: Delivery, Long Haul, Short Haul
2018	National	Utah	Utah Department of Environmental Quality	\$2,398,599.00	Replace 83 long and short haul trucks	Delivery: Long Haul; Municipal: Short Haul
2018	National	Maryland	Maryland Environmental Service	\$2,453,952.00	Cargo handling equipment upgrades, replace 35 drayage trucks,	Port

					propulsion and auxiliary engine replacement in marine vessel	
2017	National	Pennsylvania	American Lung Association	\$10,284.26	Convert 2 terminal tractors to all-electric	Freight: Ground Support
2017	National	Texas	Port of Houston Authority	\$143,500.00	Replace diesel buses with clean diesel powered vehicles	Port
2017	National	Ohio	Stark Area Regional Transit Authority	\$217,000.00	Replace 4 paratransit buses with electric buses	Transit: Transit Bus
2017	National	Missouri	National School Transportation Association	\$218,000.00	Replace 12 school buses with clean diesel powered school buses	School Bus
2017	National	New York	National School Transportation Association	\$246,006.00	Replace 2 school buses with all-electric buses; Retrofit 66 school buses with fuel operated heaters.	School Bus
2017	National	Massachusetts	Massachusetts Municipal Wholesale Electric Company	\$262,500.00	Replace four utility bucket trucks with two clean diesel powered trucks and two clean diesel hybrid trucks	Municipal: Utility
2017	National	Texas	San Antonio Independent School District	\$269,266.09	Replace 11 diesel school buses with propane school buses	School Bus
2017	National	Oregon	Columbia Corridor Association	\$353,584.00	Replace ten trucks used with clean diesel powered trucks	Port: Short Haul
2017	National	Rhode Island	CLF Ventures	\$386,105.00	Replace three marine propulsion engines in a ferry with Tier 3 engines	Port
2017	National	Illinois	Chicago Transit Authority	\$400,000.00	Replace 3 transit buses with electric buses	Transit: Transit Bus
2017	National	California	City of Long Beach - Harbor Dept	\$469,680.00	Replace 11 marine engines with Tier 3 engines; Replace three rubber-tired gantry crane engines with all-electric motors	Port

2017	National	Texas	Spring Branch Independent School District	\$521,447.00	Replace 19 diesel school buses with propane school buses	School Bus
2017	National	New Hampshire	New Hampshire Department of Transportation	\$560,310.99	Replace 18 wheeled loaders, one motor grader, and two pavement striping trucks with clean diesel powered equipment	Municipal: Utility; Construction
2017	National	California	Bay Area AQMD	\$563,420.00	Replace one switcher locomotive with a Tier 4 switcher locomotive	Port
2017	National	Minnesota	Minnesota Environmental Initiative	\$573,178.00	Replace towboat engines with Tier 3 engines; Replace Class 8 trucks, a front-end loader, aerial lifts, and a street sweeper with clean diesel powered trucks and equipment	Port: Marine; Municipal: Construction
2017	National	Oregon	Metropolitan Contractor Improvement Partnership	\$618,567.15	Replace five dray trucks, two dump trucks, and three pieces of construction equipment with clean diesel powered trucks and equipment; Install DPFs on two diesel trucks	Port: Drayage; Construction: Refuse Hauler, Short Haul
2017	National	Illinois	City of Chicago O'Hare International Airport	\$640,000.00	Replace 95 baggage tractors with all-electric, and convert 85 Ground Support Equipment (GSE) engines to all-electric	Port: Ground Support
2017	National	Washington	Puget Sound Clean Air Agency	\$650,000.00	Replace at least 12 engines on six harbor vessels with clean diesel powered equipment	Port
2017	National	Arizona	City of Phoenix	\$692,252.00	Replace 17 city department vehicles, including: aerial lift trucks, fuel tankers, dump trucks, and sewer trucks with clean diesel powered	Municipal: Construction, Emergency, Utility

					vehicles; Install diesel oxidation catalysts on ten fire pumpers	
2017	National	Ohio	Cleveland Cuyahoga County Port Authority	\$750,000.00	Replace 4 tug boats with 2 dual engine Tier 3 tug boats	Port
2017	National	Georgia	American Lung Association	\$795,375.82	Replace 14 refuse haulers with CNG powered haulers	Freight: Refuse Hauler
2017	National	New Jersey	Connecticut Maritime Foundation	\$864,907.00	Replace tug boat propulsion engines with Tier 3 engines	Port
2017	National	Puerto Rico	University of Puerto Rico	\$960,514.27	Replace 9 drayage trucks and retrofit 17 trucks with Diesel Oxidation Catalysts (DOCs)	Port: Drayage; Freight: Short Haul
2017	National	Ohio	American Lung Association	\$999,918.86	Replace 17 refuse haulers with Compressed Natural Gas (CNG); Replace 30 School Buses with Propane; and Convert 3 terminal tractors to all-electric	School Bus; Municipal: Refuse Hauler, Short Haul
2017	National	Missouri	Metropolitan Energy Center	\$1,043,302.00	Replace 21 diesel long haul and work trucks with CNG trucks; Install 41 electrified parking spaces at two locations	Freight: Long Haul Trucks
2017	National	California	South Coast AQMD	\$1,050,000.00	Replace 10 diesel drayage trucks with new CNG trucks meeting California's optional low-NOx emission standard; Replace 10 legacy diesel drayage trucks with clean diesel powered vehicles	Port: Drayage
2017	National	Texas	VIA Metropolitan Transit	\$1,077,300.00	Replace 14 diesel transit buses with CNG transit buses	Transit: Transit Bus
2017	National	Georgia	Georgia Ports Authority	\$1,082,761.80	Replace 37 drayage trucks with clean diesel powered trucks	Port

2017	National	Michigan, Ohio	Southwest Detroit Clean Diesel Collaborative	\$1,102,861.00	Replace 20 long haul trucks, 17 short haul trucks [4 to California Air Resources Board (CARB) low-NOx], and 15 construction dump trucks	Construction: Refuse Hauler, Long Haul, Short Haul
2017	National	California	San Joaquin Valley Unified APCD	\$1,239,959.00	Replace 92 tractors/loaders with Tier 4 equipment	Agriculture
2017	National	California	San Joaquin Valley Unified APCD	\$1,316,297.00	Replace 52 trucks with clean diesel powered trucks	Freight: Delivery, Long Haul
2017	National	Delaware, Pennsylvania	Mid-Atlantic Regional Air Management Association Inc.	\$1,364,526.70	Replace 40 drayage trucks with clean diesel powered trucks	Port
2017	National	New Jersey	Port Authority of New York and New Jersey	\$1,750,000.00	Replace 70 port drayage trucks	Port
2017	National	Georgia	Fulton County Board of Education	\$1,936,258.00	Replace 85 diesel school buses with propane school buses	School Bus
2017	National	Virginia	Virginia Port Authority	\$2,000,000.00	Replace nine straddle carriers with clean diesel powered hybrid cargo handling equipment	Port
2017	National	Texas	North Central Texas Council of Governments	\$2,090,742.00	Replace 37 older diesel vehicles and equipment, including four transit buses, with new, cleaner vehicles and equipment	Transit: Transit Bus
2017	National	Utah	UT Department of Environmental Quality	\$2,300,000.00	Replace 46 short and long haul trucks with clean diesel powered equipment; Replace 31 school buses with clean diesel, CNG, and propane powered school buses	Freight: Long Haul; School Bus
2016	National	Missouri	American Lung Association of the Upper Midwest	\$21,964.35	Repower two terminal vehicles to all-electric.	Freight: Delivery

2016	National	Montana	Lame Deer Public Schools	\$25,000.00	Replace one school bus with clean diesel powered school bus.	School Bus
2016	National	Ohio	New Albany Plain Local School District	\$102,036.00	Replace five school buses.	School Bus
2016	National	Texas	Austin-Bergstrom Airport Electric Ground Support Equipment (GSE)	\$111,166.00	Replace five diesel-powered GSE with all-electric GSE.	Airport: Ground Support
2016	National	Oregon	Metropolitan Contractor Improvement Partnership (MCIP)	\$198,315.22	Replace four diesel trucks and two pieces of diesel construction equipment; Repower one excavator; Install a DPF on one diesel truck.	Construction: Short Haul, Construction
2016	National	Missouri	Mid America Regional Council (MARC)	\$244,922.00	Replace nine trucks with CNG powered trucks.	Municipal: Utility
2016	National	Oregon	Columbia Corridor Association	\$475,755.07	Replace 10 diesel trucks; Electrify 43 parking spaces.	Freight: Short Haul
2016	National	New Jersey, New York	Connecticut Maritime Foundation Inc.	\$507,546.00	Repower one marine vessel with two Tier 3 propulsion engines and two Tier 3 auxiliary gensets.	Port
2016	National	California	South Coast Air Quality Management District	\$523,809.00	Replace one diesel switch locomotive with a Tier 4 locomotive.	Port
2016	National	California	Port of Los Angeles	\$629,702.22	Repower three tugboat engines; Replace seven top picks; Replace 16 yard tractors; Replace one sweeper; Repower four heavy lifts	Port
2016	National	Colorado, Utah, Wyoming	Leonardo Academy	\$735,781.00	Replace 28 trucks with 17 CNG and 11 clean diesel powered trucks.	Freight: Long Haul
2016	National	Louisiana	East Baton Rouge Parish School System	\$772,558.00	Replace 30 school buses with propane powered buses.	School Bus
2016	National	Connecticut	Connecticut Maritime	\$800,000.00	Repower four marine propulsion	Port



			Foundation Inc.		and auxiliary engines to Tier 3.	
2016	National	Massachusetts	Massachusetts Port Authority (MPA)	\$800,000.00	Replace 26 trucks with clean diesel trucks.	Port
2016	National	Idaho	Idaho Department of Environmental Quality	\$800,000.00	Replace four school buses; Install 25 DPFs and 19 DOCs on construction, agricultural, city, county, and private vehicles.	Agriculture; School Bus; Construction; Municipal: Short Haul
2016	National	Washington	Puget Sound Clean Air Agency (PSCA)	\$824,999.04	Replace 29 drayage trucks with clean diesel powered trucks.	Port
2016	National	Louisiana, Texas	Coalition for Sustainable Initiatives	\$899,393.28	Replace trucks with clean diesel and CNG powered trucks; Install DPFs on trucks; Install idle reduction equipment on school buses.	Freight: Long Haul; School Bus
2016	National	Pennsylvania	Mid-Atlantic Regional Air Mgmt Assoc Inc (MARAMA)	\$ 953,622.71	Replace 28 drayage trucks with clean diesel powered trucks.	Port
2016	National	Maryland	Clean Air Recognition Grants & Opportunities (CARGO)	\$965,925.60	Replace/Repower 26 pieces of cargo handling equipment; Install automatic start/stop idle reduction technology on five locomotives.	Port
2016	National	California	San Joaquin Valley Unified (SJVU)	\$981,993.00	Replace 44 trucks with clean diesel powered trucks.	Freight: Delivery, Long Haul
2016	National	Utah	Utah Department of Environmental Quality	\$1,009,814.00	Replace 10 school buses with CNG powered buses; Replace 11 school buses with clean diesel powered buses; Install engine pre-heaters in 24 school buses; Retrofit 5 city/county vehicles with DOC's; Retrofit five short-haul trucks with DOCs and engine pre-heaters; Replace one	Municipal: Short Haul, Refuse Hauler; School Bus

					refuse hauler and one city/county vehicle with clean diesel powered vehicles.	
2016	National	Alabama	Alabama Department of Transportation	\$1,092,650.00	Repower one ferry to battery-electric; Upgrade shore power connections	Port
2016	National	Michigan, Ohio	Southwest Detroit Environmental Vision (SWDEV)	\$1,212,099.00	Replace 16 long haul trucks with clean diesel trucks; Replace one diesel crane with an electric crane; Replace three delivery trucks with new trucks; Replace two diesel pot carriers with new trucks.	Port: Cargo Handling; Freight: Delivery, Long Haul, Construction
2016	National	Puerto Rico	University of Puerto Rico - Med Sciences Campus	\$1,237,402.13	Replace 11 drayage trucks with clean diesel powered trucks; Retrofit 24 drayage trucks with DOCs.	Port: Drayage
2016	National	South Carolina	South Carolina DHEC	\$1,276,573.64	Repower two marine vessels (8 diesel engines) to battery electric; Vessels will be charged at berth using partial solar and wind energy.	Port
2016	National	Illinois, Indiana, Michigan, Minnesota	Coalition for Sustainable Initiatives	\$1,404,601.51	Replace one school bus with LPG powered bus; Replace one truck with CNG powered truck; Replace one refuse hauler with CNG powered hauler; Install locomotive APUs; Install DPF+FOH on school buses; Repower one generator and one excavator.	Construction; Freight: Long Haul, Refuse Hauler, Locomotive; School Bus
2016	National	Georgia	Georgia Ports Authority	\$1,417,085.10	Replace 63 drayage trucks with clean diesel powered trucks.	Port
2016	National	California	Bay Area Air Quality	\$1,420,263.00	Replace three switcher	Port

			Management District		locomotives with Tier 4 locomotives	
2016	National	California	City of Long Beach Harbor Department	\$1,469,818.00	Replace 24 yard tractors with 20 electric yard tractors and four electric AGVs	Port
2016	National	Iowa, Kansas, Missouri, Nevada	Leonardo Academy	\$1,498,508.00	Replace 50 trucks with clean diesel powered trucks; Replace 13 long-haul trucks with CNG powered trucks.	Freight: Long Haul
2016	National	Texas	American Lung Association of the Upper Midwest (ALAUM)	\$1,509,309.47	Replace 64 diesel school buses with propane powered buses.	School Bus
2016	National	DC	Metropolitan Washington Council of Governments	\$1,578,262.37	Repower three switcher locomotives with Tier 4 gensets.	Freight: locomotive
2016	National	New Jersey, New York	Port Authority of NY & NJ	\$1,787,554.45	Replace 72 drayage trucks with clean diesel powered trucks.	Port
2016	National	Illinois	Chicago Transit Authority	\$1,800,000.00	Replace five transit buses with all-electric buses with en-route charging capabilities.	Transit: Transit Bus
2015	National	Texas	North Central Texas Council of Governments	\$4,570.45	Replace or repower 35 existing Tier 1, 2, and/or 3 diesel-powered vehicles and equipment.	Airport: Ground Support
2015	National	Washington	Puget Sound Clean Air Agency	\$9,658.29	Replace 51 ground support equipment (GSE) with electric GSE.	Airport: Ground Support
2015	National	Pennsylvania	Pittsburgh Region Clean Cities Inc	\$25,250.00	Install auxiliary power units (APU) on four diesel locomotives.	Freight: Locomotive
2015	National	Minnesota	Renville County HRA/EDA	\$56,960.00	Install idle reduction technology on four locomotives.	Freight: Locomotive
2015	National	Ohio	Carroll County Board of Developmental Disabilities/ Mental Retardation	\$71,250.00	Replace three school buses.	School Bus

2015	National	Michigan	Elkton-Pigeon-Bay Port Laker School District	\$106,371.00	Replace five school buses.	School Bus
2015	National	Missouri	Southeast Missouri Regional Planning Commission	\$160,000.00	Replace two pushboat Tier 0 engines with two Tier 3 engines.	Port: Marine
2015	National	Utah	Utah Clean Diesel Project	\$494,863.98	Replace 15 school buses.	School Bus
2015	National	North Carolina	Mecklenburg County	\$498,750.00	Rebates to replace 16 trucks, 10 nonroad vehicles, and three drayage trucks.	Port: Drayage, Long Haul, Short Haul
2015	National	Alabama, Georgia, Kentucky	Kentucky Clean Fuels Coalition	\$499,171.00	Replace 36 long haul trucks.	Freight: Long Haul
2015	National	Missouri	St. Louis Regional Clean Cities	\$499,979.00	Replace 19 diesel school buses with new CNG-powered buses and replace two 1977 tug/tow boat engines with 2016 Tier 3 engines.	Port: Marine; School Bus
2015	National	South Dakota	Sioux Falls School District	\$500,000.00	Replace 20 school buses.	School Bus
2015	National	Illinois	American Lung Association of the Upper Midwest	\$548,139.78	Replace and upgrade 11 Class 8 drayage vehicles.	Port
2015	National	Oregon	Metropolitan Contractor Improvement Partnership	\$577,228.00	Install advanced exhaust controls on 12 construction vehicles. Replace six short haul trucks.	Construction; Freight: Short Haul
2015	National	Virginia	James Madison University	\$593,617.59	Replace one diesel truck with CNG truck; Install electrified parking spaces (EPS) for 143 reefer trucks.	Freight: Long Haul, Short Haul
2015	National	Massachusetts	Massachusetts Port Authority	\$634,555.00	Repower five rubber tired gantry (RTG) cranes with Tier 4 gensets.	Port
2015	National	California	Sacramento Metropolitan Air Quality	\$642,734.00	Replace three refuse haulers. Replace up to six agricultural tractors with tractors with Tier 4 engines.	Freight: Refuse; Agriculture
2015	National	Illinois, Indiana,	Leonardo Academy Inc.	\$648,079.00	Replace two engines on a crusher, retrofit	Construction; School Bus; Freight: Long Haul

		Michigan, Minnesota, Ohio, Wisconsin			an excavator, replace six school buses, retrofit 34 school buses, retrofit seven long haul trucks, replace six long haul trucks, and replace 21 short/long haul trucks and refuse haulers.	
2015	National	Louisiana	Port of New Orleans dba Board of Commissioners	\$727,000.00	Replace 20 older model year (1993-2006) with 2011 or newer trucks, equipped with diesel particulate filters.	Port
2015	National	Kansas, Missouri	Metropolitan Energy Center	\$749,435.00	Replace 13 school buses, two city work trucks, and eight Class 8 highway freight tractors, with compressed natural gas models.	Municipal: Utility; School Bus; Freight: Long Haul
2015	National	Maryland	Maryland Environmental Service	\$869,988.09	Replace 25 drayage trucks.	Port
2015	National	Georgia	Georgia Ports Authority	\$983,894.77	Replace 29 drayage trucks.	Port
2015	National	New Jersey	Port Authority of New York & New Jersey	\$1,000,000.00	Replace 26 drayage trucks.	Port
2015	National	Michigan	Southwest Detroit Environmental Vision	\$1,025,089.00	Replace 33 tractor trucks.	Freight: Short Haul
2015	National	California	San Joaquin Valley Unified Air Pollution Control District	\$1,040,268.00	Replace 75 agricultural tractors/loaders with new tractors/loaders with Tier 4 engines.	Agriculture
2015	National	California	City of Long Beach Harbor Department	\$1,346,895.00	Replace eight yard tractors with all-electric automated guided vehicles.	Port
2014	National	Texas	North Central Texas Council of Governments	\$39,093.14	Install EPA-verified SmartWay® truck stop electrification at four truck terminals.	Freight: Long Haul
2014	National	Massachusetts	Northeast States for Coordinated Air	\$117,342.00	Repower two unregulated fishing	Port

			Use Management (NESCAUM)		boats with new Tier 3 engines.	
2014	National	Colorado	Colorado Department of Public Health and Environment	\$153,420.74	Retrofit 36 school buses with DOCs, CCFs and fuel operated heaters (FOHs).	School Bus
2014	National	Missouri	St. Louis Clean Cities	\$161,496.01	Replace six school buses.	School Bus
2014	National	New Jersey, New York	New Jersey Clean Cities Coalition	\$178,054.03	Repower seven marine vessels with 13 Tier 3 engines.	Port
2014	National	Oregon	Beyond Toxics	\$192,352.41	Replace one truck and install advanced exhaust controls on seven trucks.	Freight: Refuse Hauler
2014	National	Puerto Rico	Puerto Rico Metropolitan Bus Authority	\$199,999.94	Retrofit 17 transit buses with DPFs.	Transit: Transit Bus
2014	National	Massachusetts	Conservation Law Foundation (CLF) Ventures, Inc.	\$299,947.84	Repower two Tier 1 marine propulsion engines with new Tier 3 engines; Replace two generator sets powered with Tier 0 engines with new Tier 3 generator sets.	Port
2014	National	Michigan	Southwest Detroit Environmental Vision	\$320,000.00	Replace five short haul trucks and one crane.	Construction: Delivery, Material Handling
2014	National	Idaho	Franklin Soil & Water Conservation District	\$326,914.57	Replace three school buses and four agriculture engines; Convert three irrigation pumps to electric.	School Bus; Agriculture
2014	National	North Carolina	Mecklenburg County Air Quality	\$490,391.97	Replace three pieces of landfill equipment and repower four engines.	Municipal: Construction, Utility
2014	National	Utah	Utah Department of Environmental Quality, Division of Air Quality	\$500,000.00	Retrofit three long haul trucks with DPFs and retrofit 25 UDOT vehicles with DPFs.	Freight: Long Haul; Municipal: Short Haul
2014	National	New Jersey, New York	The Connecticut Maritime Foundation	\$596,066.00	Repower two Tier 0 marine propulsion engines in one ferry with Tier 3 engines.	Port

2014	National	Florida, South Carolina	American Lung Association of the Upper Midwest	\$607,031.02	Install APUs on locomotive switch engines and replace 12 diesel refuse haulers with CNG haulers.	Freight: Locomotive, Refuse Hauler
2014	National	California	San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD)	\$672,771.00	Replace 48 trucks with trucks powered by 2013 or newer model year engines.	Freight: Delivery
2014	National	Delaware, Virginia	Mid-Atlantic Regional Air Management Association, Inc. (MARAMA)	\$715,216.14	Provide incentives for early replacement of 19 drayage trucks.	Port
2014	Ports	Texas	Port of Houston	\$793,029.62	Replace 14 drayage trucks.	Port
2014	National	Louisiana, Oklahoma, Texas	Leonardo Academy	\$804,786.88	Retrofit school buses with exhaust controls and retire eight delivery vehicles early.	School Bus; Freight: Delivery
2014	National	Texas	Port of Houston	\$814,338.52	Replace 25 Class 8 drayage trucks with newer certified engines.	Port
2014	National	Illinois, Indiana, Mississippi, Minnesota, Wisconsin	Leonardo Academy	\$951,457.00	Retrofit five trucks, five buses and two excavators with DPFs, BACs, and FOHs; Replace eight long haul trucks and three refuse haulers with CNG; Replace 14 long haul trucks and two school buses; Repower one crusher from Tier 0 to Tier 3 engine.	Construction; Freight: Long Haul, Short Haul, Refuse Hauler; School Bus
2014	National	Delaware	Delaware River and Bay Authority	\$975,000.00	Repower two Tier 0 marine propulsion engines in one vessel with Tier 3 engines.	Port
2014	National	California	South Coast Air Quality Management District	\$1,160,056.00	Replace 11 on-road drayage trucks; Replace nine school buses with CNG; Replace 10 school bus with a battery-electric vehicle.	Port: Drayage; School Bus
2014	Ports	California	Port of Los Angeles	\$1,323,266.00	Replace one diesel-powered crane with	Port

					an all-electric, zero emission crane.	
2014	Ports	New Jersey	New Jersey Department of Environmental Protection	\$1,372,938.00	Replace four Tier 1 marine propulsion engines with Tier 4 certified engines.	Port
2014	Ports	Oregon	Oregon Department of Air Quality	\$1,487,378.00	Retrofit cargo handling equipment with diesel particulate filters (DPF); Replace 23 older Class 8 drayage trucks with models powered by newer certified engines.	Port
2013	National	Alabama, Kentucky, Tennessee	East Tennessee Clean Fuels Coalition	\$48,559.66	Install 128 electrified parking spaces	Freight: Long Haul
2013	National	Missouri	Drury University	\$96,204.80	Retrofit nine school buses with DOC/FOHs and three long haul trucks with DPFs; replace eight school buses and two city/county vehicles.	School Bus; Municipal: Utility; Freight: Long Haul
2013	National	Arizona	Pima Association of Governments	\$150,000.00	Replace 6 heavy-duty diesel school buses with 4 compressed natural gas (CNG) and 2 propane (LPG).	School Bus
2013	National	Washington	Puget Sound Clean Air Agency	\$175,474.07	Replace 10 diesel trucks with LNG trucks.	Freight: Long Haul, Short Haul
2013	National	Delaware	Clean Air Council	\$208,083.16	Replace trucks and repower service vehicles; repower 2 main engines and 2 auxiliary generators on tugboat; upgrade refrigeration trucks with electric hybrid cooling units.	Port
2013	National	Massachusetts	Northeast States for Coordinated Air Use Management (NESCAUM)	\$235,894.00	Repower nine lobster boats from Tier 0 to Tier 3.	Port
2013	National	New York	Niagara Frontier Transportation Authority	\$246,931.00	Retrofit 19 transit buses with DPFs.	Municipal: Transit Bus
2013	National	California	Port of Oakland	\$270,498.01	Repower four rubber tire gantry	Port



					cranes.	
2013	Ports	California	City of Los Angeles Harbor Department	\$273,546.26	Retrofit 14 pieces of cargo handling equipment with diesel particulate filters (DPF).	Port
2013	National	Oregon	Columbia Corridor Association	\$278,331.05	Replace five drayage truck with newer diesel trucks.	Port: Drayage
2013	National	Montana	MT Department of Environmental Quality	\$279,994.00	Projects estimates replacing 9 school buses.	School Bus
2013	National	Massachusetts	Conservation Law Foundation (CLF) Ventures, Inc.	\$299,984.75	Repower two marine propulsion engines from Tier 0 to Tier 3. Replace two generator sets engines from Tier 0 to Tier 3.	Port
2013	National	New Jersey, New York	New Jersey Clean Cities Coalition	\$352,480.44	Repower two tugs and one supply vessel from Tier 0 to Tier 3 (6 engines).	Port
2013	National	Texas	Houston Galveston Area Council	\$399,701.76	Replace construction equipment with Tier 4; repower marine engines with Tier 3.	Port: Marine; Construction
2013	National	New Jersey, New York	Connecticut Maritime Foundation	\$418,374.91	Repower one tug with two propulsion engines from Tier 0 to Tier 3.	Port
2013	National	Illinois, Indiana, Michigan, Wisconsin	American Lung Association of the Upper Midwest	\$445,598.17	Retrofit 18 school buses and four long haul with DPFs; repower four tugboats from Tier 0 to Tier 2; retrofit 11 switch locomotives with APUs.	Ports: Marine; Freight: Locomotive; School Bus
2013	National	Utah	Utah Division of Air Quality	\$488,749.07	Retrofit 35 vehicles with DOCs; retrofit 10 long-haul trucks with DPFs; retrofit 24 vehicles with Fuel Operated Engine pre-heaters and three with APUs; replace two vehicles.	Construction: Delivery, Long Haul, Short Haul
2013	National	California	Sacramento Metropolitan Air Quality	\$488,932.02	Replace three diesel refuse haulers with compressed natural gas (CNG) refuse	Agriculture; Municipal: Refuse Hauler

			Management District		haulers; replace eight diesel agricultural tractors with tractors with Tier 4 engines.	
2013	Ports	California	Port of Hueneme	\$500,000.00	Install shore-side power to ocean going vessels.	Port
2013	National	Louisiana, Missouri	Southeast Missouri Planning Commission	\$500,000.00	Repower two push boats from Tier 0 to Tier 3 (four engines).	Port
2013	National	California	South Coast Air Quality Management District	\$502,240.00	Replace one diesel school bus with an electric bus; repower two diesel school buses with battery electric drive trains; replace eight diesel school buses with CNG buses.	School Bus
2013	National	Illinois, Michigan, Minnesota, Ohio, Wisconsin	Leonardo Academy	\$586,698.00	Replace 24 trucks with new diesel trucks; replace 10 trucks with CNG trucks; retrofit or repower seven other engines.	Freight: Long Haul, Short Haul; Construction; School Bus
2013	Ports	Washington	Port of Tacoma	\$601,949.00	Repower a Tier 0 switcher locomotive with a Tier 3+ engine with automatic start-stop system	Port
2013	Ports	Maryland	Maryland Port Administration	\$749,995.40	Replace 35 pre-1997 drayage trucks with new trucks powered by new certified engines.	Port
2013	Ports	Virginia	Virginia Port Authority	\$750,000.00	Replace three shuttle carriers with Tier 4 diesel-electric shuttles.	Port
2013	National	Georgia	Georgia Port Authority	\$830,392.20	Replace 30 drayage trucks with trucks with SCR.	Port
2013	Ports	Washington	Port of Seattle	\$1,194,246.41	Replace 40 drayage trucks with new trucks with new certified engines.	Port
2012	National	New Mexico	City of Albuquerque, Department of Aviation	\$207,699.74	Replace 17 belt loaders and 23 baggage tractors with electric ground support equipment.	Port: Ground Support

2012	National	Missouri	Show-Me Clean Air	\$234,166.65	Replace 31 vehicles including school buses, construction equipment, delivery trucks, long-haul trucks, and city/county vehicles; retrofit 27 school buses; and repower one switch locomotive.	Municipal: Utility, Delivery; Construction; School Bus; Freight: Locomotive, Long Haul
2012	National	Utah	American Lung Association	\$371,211.69	Upgrade eight refuse haulers with compressed natural gas engines.	Municipal: Refuse Hauler
2012	National	Idaho	Idaho Department of Environmental Quality	\$394,207.00	Retrofit 20 pieces of construction equipment and 12 school buses with pollution control devices.	Construction; School Bus
2012	National	Texas	Texas Capital Area Council of Governments	\$438,381.13	Replace medium-heavy duty trucks, utility trucks and airport ground support equipment.	Freight: Delivery; Airport: Ground Support; Municipal: Utility
2012	National	South Dakota	Sioux Falls School District	\$450,000.00	Replace 18 school buses.	School Bus
2012	National	Colorado	Colorado Department of Public Health and Environment	\$687,827.08	Retrofit an estimated 186 diesel school buses with diesel oxidation catalysts, crankcase filtration systems and fuel-operated heaters.	School Bus
2012	National	California	Sacramento Air Quality Management District	\$696,129.02	Repower one line haul locomotive.	Freight: Locomotive
2012	National	Connecticut	Connecticut Maritime Foundation	\$800,000.00	Repower two Tier 1 marine engines in one vessel to Tier 3.	Port
2012	National	California	Bay Area Air Quality Management District	\$863,017.00	Replace 22 heavy-duty drayage trucks.	Port: Drayage
2012	National	California	San Joaquin Valley Air Pollution Control District	\$898,833.00	Replace 29 refuse haulers.	Freight: Refuse Hauler
2012	National	Illinois, Indiana, Michigan	American Lung Association	\$1,033,512.74	Retrofit 48 school buses with diesel particulate filters,	Freight: Locomotive; School Bus

					retrofit seven locomotive engines with idle reduction devices, and repower one switcher locomotive.	
2012	National	Texas	Aldine Independent School District	\$1,035,140.00	Retrofit 65 school buses with diesel particulate filters.	School Bus
2012	National	California	South Coast Air Quality Management District	\$1,045,993.00	Replace 50 medium-duty delivery trucks with fully electric trucks.	Freight: Delivery
2012	National	Washington	Puget Sound Clean Air Agency	\$1,172,267.64	Repower two locomotives to Tier 3 engine standards.	Freight: Locomotive
2012	National	Michigan	Southwest Detroit Environmental Vision	\$1,205,590.00	Replace 24 medium-heavy duty trucks and eight school buses.	Municipal: Utility, Short Haul; Construction; School Bus
2012	National	Virginia	Virginia Maritime Association	\$1,206,569.00	Repower two unregulated marine propulsion engines in one tug boat with EPA Tier 3 certified engines.	Port
2012	National	Delaware, Maryland, Pennsylvania, Virginia	Mid-Atlantic Regional Air Management Association	\$1,287,563.92	Repower marine vessels engines, and retrofit drayage trucks.	Port
2012	National	New Jersey, New York	Conservation Law Foundation (CLF) Ventures	\$1,319,484.35	Repower 2 Tier 0 marine propulsion engines in one vessel with EPA Tier 3-certified engines.	Port
2012	National	California	Port of Long Beach (POLB)	\$1,344,146.00	Replace five yard tractors and retrofit 11 rubber tired gantry cranes with diesel particulate filters.	Port
2012	National	Alabama	Alabama State Port Authority	\$1,350,000.00	Repower two locomotives.	Port
2012	National	Maine	Maine Department of Environmental Protection	\$1,387,370.00	Replace four school buses with compressed natural gas (CNG) buses; Repower two vessels with two marine propulsion and four auxiliary engines to Tier 3.	Port: Marine; School Bus

2012	National	Illinois, Indiana, Michigan, Minnesota	Leonardo Academy	\$1,390,786.00	Repower four diesel engines, replace 23 vehicles with alternatively-fueled options, and retrofit 23 vehicles with diesel particulate filters and heaters.	Construction; Freight: Long Haul, Short Haul; School Bus
2012	National	New Jersey	Northeast States for Coordinated Air Use Mgmt.	\$1,409,436.00	Repower 2 unregulated switcher locomotives with new engines meeting either a Tier 2 or a Tier 3 locomotive engine.	Freight: Locomotive
2012	National	Missouri	Southeast Missouri Regional Planning Commission	\$1,452,136.00	Replace two engines on two Mississippi River pushboats with new Tier 3 rated engines.	Port
2012	National	South Carolina	South Carolina Department of Health and Environment	\$2,066,490.63	Repower 24 marine engines and five mining trucks; replace 15 yard tractors and three bulldozers; install 30 electrified parking spots; supplement cost of 100,000 gallons of alt fuel.	Agriculture; Freight: Long Haul; Port: Marine; Mining: Short Haul; Construction
2011	National	Idaho	Idaho Department of Environmental Quality	\$88,292.00	Install diesel oxidation catalysts, closed crankcase ventilation systems and fuel operated heaters on sixteen buses.	School Bus
2011	National	Maine	Maine Department of Environmental Protection	\$250,000.00	Replace four engines on two marine vessels.	Port
2011	National	Massachusetts	Massachusetts Department of Environmental Protection	\$275,318.80	Retrofit roughly 25 wheeled loaders with diesel particulate filters.	Construction
2011	National	Massachusetts	Chelsea Collaborative Inc.	\$280,000.00	Replace 11 diesel transport refrigeration units with electric units; install truck stop electrification.	Freight: Transport Refrigeration Unit, Delivery

2011	National	Kansas	Kansas Department of Health and Environment	\$343,451.00	Replace two vehicles and repower two vehicles in a local city fleet; retrofit 59 school buses with fuel operated heaters and/or diesel oxidation catalyts.	Municipal: Construction; School Bus
2011	National	Ohio	Mid-Ohio Regional Planning Commission	\$360,368.92	Emission reduction projects in Franklin County.	School bus; Freight: Long Haul
2011	National	Massachusetts, New Hampshire	Conservation Law Foundation Ventures	\$391,499.70	Repower fishing/excursion vessels.	Port
2011	National	Illinois	Heart of Illinois Regional Port District	\$400,000.00	Repower six tug boats operating along Illinois and Mississippi rivers.	Port
2011	National	Washington	Washington Department of Ecology	\$400,000.00	Install 153 diesel oxidation catalyts (DOC) on nonroad construction equipment and heavy-duty on-road construction trucks.	Construction
2011	National	New York	National School Transportation Association	\$460,753.00	Replace three school buses; retrofit 155 school buses with diesel oxidation catalyts and/or idle reduction strategies.	School Bus
2011	National	Minnesota	Environmental Initiative Inc.	\$485,419.00	Retrofit construction, school bus, municipal fleets with diesel oxidation catalyts; repower municipal, construction and marine vehicles and vessels.	Construction: Freight: School Bus: Other
2011	National	Oregon	Oregon Department of Environmental Quality	\$490,340.00	Repower a river channel dredge vessel with certified engines.	Port
2011	National	Illinois	Southeast Missouri Regional Planning Commission	\$494,978.00	Repower a Mississippi River push boat.	Port
2011	National	Massachusetts	Massachusetts Port Authority (Massport)	\$500,000.00	Replace 20 Class 8b dray trucks with new 2007 emissions-compliant trucks.	Port

2011	National	Michigan	Michigan Infrastructure & Transpiration Association	\$524,962.00	Repower 12 pieces of construction equipment in non-attainment area.	Construction
2011	National	Washington	Puget Sound Clean Air Agency	\$598,769.01	Repower a tugboat with two new Tier 2 main engines and two Tier 3 auxiliary engines.	Port
2011	National	Indiana	Indiana Department of Transportation	\$640,000.00	Repower dump trucks, snow plows, and municipal vehicles from diesel to propane.	Municipal: Refuse Hauler, Utility
2011	National	Ohio	Clean Fuels Ohio	\$716,073.00	Replace or install exhaust and idle controls on school buses, refuse haulers, construction equipment and long haul trucks.	Construction; Freight: Long Haul, Refuse Hauler; School Bus
2011	National	Michigan	Greater Lansing Area Clean Cities	\$725,000.00	Repower school, transit, and university buses with 2010 engines that have diesel oxidation catalysts and closed crank case ventilation systems.	School Bus; Transit: Transit Bus
2011	National	Utah	State of Utah Clean Diesel Program	\$772,056.00	Target emissions from school buses, long haul trucks, and construction and agriculture equipment.	Agriculture; Construction; Freight: Long Haul; School Bus
2011	National	North Carolina	Mecklenburg County	\$797,548.40	Repower or replace 126 pieces of diesel cargo handling equipment with cleaner diesel or electric equipment.	Airport: Cargo Handling
2011	National	Illinois	Illinois Environmental Protection Agency	\$822,308.00	Install idle reduction technologies, exhaust controls, and engine repowers.	Freight: Short Haul, Long Haul; Port: Marine; School Bus; Construction
2011	National	Pennsylvania	Southeastern Pennsylvania Transportation Authority	\$844,486.00	Repower Tier 0 diesel locomotive with a Tier 3 nonroad engine and diesel particulate filter.	Freight: Locomotive

2011	National	New Jersey, New York	New Jersey Clean Cities Coalition	\$858,524.00	Replace 21 engines on eight marine vessels to Tier 2 standards.	Port
2011	National	Puerto Rico	Polytechnic University of Puerto Rico	\$873,245.05	Retrofit 96 heavy duty trucks with diesel oxidation catalyts; replace ten heavy duty trucks with 2010 or newer models.	Port
2011	National	Pennsylvania	Pittsburgh Region Clean Cities	\$883,419.18	Replace 17 heavy duty highway diesel vehicles and one yard tractor with compressed natural gas (CNG) vehicles.	Agriculture; Freight: Short Haul, Refuse Hauler
2011	National	Illinois, Ohio, Wisconsin	Leonardo Academy Inc.	\$900,000.00	Repower Tier 0 construction and marine equipment with Tier 2 or Tier 3 engines.	Port: Marine
2011	National	Texas	Houston-Galveston Area Council	\$940,851.95	Repower 3 marine vessels with Tier II marine engines.	Port
2011	National	Missouri	Missouri Department of Natural Resources	\$947,338.00	Replace or retrofit 42 diesel engines, nonroad construction equipment, marine vessels, and locomotives with diesel oxidation catalyts, closed crankcase ventilation systems, diesel particulate filters and/or automatic engine shutdown/startup devices.	Construction; Port: Marine; Freight: Locomotive
2011	National	Alabama	Alabama State Port Authority	\$953,921.00	Replace one locomotive engine.	Port
2011	National	Louisiana, Missouri, Texas	Leonardo Academy Inc.	\$971,090.00	Replace class 8 long haul and local delivery trucks with trucks equipped with either hybrid-electric or selective catalytic reduction systems.	Freight: Long Haul
2011	National	Missouri	Missouri Department of Natural Resources	\$999,460.00	Retrofit or replace 196 school buses, eight locomotives;	Freight: Locomotive; School Bus



					repower one locomotive.	
2011	National	Colorado	Regional Air Quality Council	\$1,000,000.00	Retrofit or replace school buses, construction equipment, long-haul trucks, and public works vehicles.	Agriculture; Construction; Freight: Long Haul; Municipal: Utility
2011	National	California	Sacramento Metropolitan Air Quality	\$1,097,032.00	Replace diesel irrigation pump engines with electric pump motors.	Agriculture
2011	National	Alabama, Florida, Georgia, Kentucky, South Carolina	American Lung Association of the Upper Midwest	\$1,189,416.10	Reduce diesel emissions from 331 vehicles using retrofit, repower, and replacement strategies.	Construction; Port: Marine, Freight: Locomotive, Long Haul
2011	National	Georgia	Center for Transportation & Environment	\$1,440,760.18	Repower diesel ground support equipment with electric power.	Airport: Ground Support
2011	Emerging Technologies	Florida	Miami -Dade County/Solid Waste Mgmt	\$1,500,000.00	Replace 15 diesel refuse haulers with hydraulic hybrid refuse haulers	Freight: Refuse Hauler
2011	National	California	Bay Area Air Quality Management District	\$1,557,987.00	Replace 43 on-road, heavy-duty trucks operating around Port of Oakland.	Port
2011	National	DC	Metropolitan Washington Council of Governments	\$1,896,143.73	Repower two switcher locomotives.	Freight: Locomotive
2011	National	New York	New York City Department of Small Business Services	\$2,000,000.00	Repower two short haul locomotives: one with Tier 3 genset technology and one with Tier 4 mother-slug configuration.	Freight: Locomotive
2011	National	California	San Joaquin Valley	\$2,000,000.00	Replace two locomotive engines.	Freight: Locomotive
2011	National	California	City of Long Beach - Harbor Department	\$2,371,358.18	Replace one truck; retrofit 30 top handlers with diesel particulate filters; repower one work boat and one crew boat.	Port
2009 ARRA	Emerging Technologies	Washington	Puget Sound Clean Air	\$41,199.08	Retrofit two harbor vessels (4 engines)	Port: Marine

					with DOC and CCV.	
2009 ARRA	National	Georgia	Georgia Port Authority	\$124,007.42	Install diesel oxidation catalysts (DOC) and closed crankcase ventilation (CCV) on 47 marine engines.	Port: Marine
2009 ARRA	National	Rhode Island	City of Providence	\$210,724.60	Retrofit 40 Class 7 trucks and two dumpers/tenders with DPFs.	Municipal: Refuse Hauler
2009 ARRA	SmartWay Finance	New York	National Association for Pupil Transportation (NAPT)	\$211,758.62	Reduces local school districts' monthly lease payments for the repowering of 175 or more school buses with compressed natural gas (CNG) engines.	School Bus
2009 ARRA	SmartWay Finance	California	California Air Resources Board (CARB)	\$227,282.85	Offers an innovative finance program for nonroad small fleet retrofits. This program uses EPA funding as a loan guarantee to leverage loan funds via California's Providing Loan Assistance for California Equipment (PLACE) finance program.	Agriculture; Construction; Port
2009 ARRA	Emerging Technologies	Texas	City of Irving	\$280,341.34	Retrofit five municipal on-road vehicles with DPF and CCV technologies.	Municipal: Short Haul
2009 ARRA	National	Florida	Leon County School Board	\$346,253.69	Replace six school buses with compressed natural gas buses.	School Bus
2009 ARRA	National	Massachusetts	Chelsea Collaborative, Inc	\$357,946.00	Retrofit four long haul trucks, nine municipal vehicles, one rubber tire loader. Perform engine upgrades on four rubber tire loaders.	Construction; Freight: Long Haul; Municipal: Short Haul
2009 ARRA	National	North Dakota	Mid-Dakota Education Cooperative	\$450,000.00	Retrofit 142 school buses; replace nine school buses; install	School Bus

					heaters on 66 engines.	
2009 ARRA	National	South Dakota	Sioux Falls School District	\$500,000.00	Replace ten school buses and install heaters on 20 school buses.	School Bus
2009 ARRA	National	Massachusetts	Massachusetts Department of Environmental Protection	\$500,243.64	Retrofit 132 state-owned vehicles with diesel multi-stage filters and DOCs.	Municipal: Short Haul
2009 ARRA	National	North Carolina	North Carolina Department of Public Instruction	\$505,712.93	Retrofit or replace 127 school buses.	School Bus
2009 ARRA	National	South Carolina	South Carolina Department of Education	\$553,918.00	Retrofit and replace 504 school buses.	School Bus
2009 ARRA	National	Wisconsin	Wisconsin Department of Natural Resources	\$567,960.00	Install an idle reduction system on 40 switcher locomotives (Wisconsin & Southern Railroad and Canadian Pacific Railroad).	Freight: Locomotive
2009 ARRA	National	Tennessee	East TN Clean Fuel Coalition Crossville	\$581,849.00	Install 50 truck stop electrification (TSE) spaces in two locations.	Freight: Long Haul
2009 ARRA	National	Texas	Port of Houston Authority	\$584,189.81	Replace/repower 25 marine engines.	Port
2009 ARRA	National	Montana	Montana Department of Environmental Quality and Decker Coal	\$700,000.00	Repower four coal dump trucks.	Mining: Refuse Hauler
2009 ARRA	National	Colorado	City and County of Denver	\$700,000.00	Install heaters on 48 refuse vehicles, nine snowplows; retrofit 53 vehicles with diesel oxidation catalysts; purchase 262,844 gallons of biodiesel.	Municipal: Construction, Refuse Hauler
2009 ARRA	National	New York	Columbia University	\$719,978.86	Retrofit 78 pieces of construction equipment with diesel particulate filters (DPFs).	Construction
2009 ARRA	National	Arizona	Arkansas Department of Environmental Quality	\$724,024.75	Upgrade 39 pieces of construction equipment.	Construction

2009 ARRA	National	Georgia	Georgia Department of Natural Resources	\$730,118.23	Install a truck stop electrification (TSE) station with 85 spaces for long haul trucks.	Freight: Long Haul
2009 ARRA	National	Florida	City of Miami	\$731,850.00	Replace 17 refuse haulers and switch to biodiesel.	Municipal: Refuse Hauler
2009 ARRA	National	Florida	Miami-Dade County	\$731,850.00	Replace five buses with hybrid electrics and replace eight buses with newer engines.	Municipal: Transit Bus
2009 ARRA	National	Maine	Maine Department of Environmental Protection	\$741,768.64	Retrofit nine highway construction vehicles and repower/retrofit twelve nonroad pieces of construction equipment.	Construction: Freight: Other
2009 ARRA	National	Utah	Utah Department of Environmental Quality	\$750,000.00	Replace 12 engines, repower 26 engines and install 25 auxiliary power units (APUs).	Agriculture
2009 ARRA	National	Arizona	City of Phoenix Department of Public Works	\$812,507.13	Retrofit 46 Refuse Haulers with diesel oxidation catalysts and/or diesel particulate filters.	Municipal: Refuse Hauler
2009 ARRA	National	Kansas	Johnson County Kansas Government	\$843,479.69	Repower, replace, or install diesel oxidation catalysts (DOC), diesel multi-stage filters (DMF), diesel particulate filters (DPF) on 176 vehicles/equipment.	Municipal: Construction
2009 ARRA	National	Colorado	Colorado Department of Public Health and Environment	\$847,637.33	Retrofit 180 long haul trucks with auxiliary power units (APUs).	Freight: Long Haul
2009 ARRA	National	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming	Cascade Sierra Solutions	\$850,000.00	Retrofit 51 trucks with diesel particulate filters (DPF) and 105 trucks with auxiliary power units (APUs).	Freight: Long Haul
2009 ARRA	National	California	California Department of Transportation	\$885,550.28	Install Level 3 diesel particulate filters (DPF) on 46 engines.	Construction

2009 ARRA	National	Oregon	Cascade Sierra Solutions - Trailer Aerodynamics Program	\$907,072.00	Retrofit 1,554 heavy-duty diesel-powered trailers with verified aerodynamic technologies.	Freight: Long Haul
2009 ARRA	National	Missouri	Missouri Department of Natural Resources	\$975,609.00	Replace, repower, or install diesel oxidation catalysts (DOC), diesel particulate filters (DPF) on 142 vehicles.	School Bus
2009 ARRA	National	Illinois	City of Chicago Department of the Environment	\$981,280.13	Retrofit vehicles with 163 diesel fired heaters, 35 diesel oxidation catalysts (DOCs), and replace two old vehicles with two hybrid electric aerial trucks.	Municipal: Utility
2009 ARRA	Emerging Technologies	North Carolina	Southern Research Institute	\$992,275.32	Retrofit 12 municipal refuse haulers and four nonroad construction vehicles with SCR technologies.	Construction; Municipal: Refuse Hauler
2009 ARRA	National	Maryland	Maryland Department of the Environment	\$999,963.25	Retrofit 76 school buses.	School Bus
2009 ARRA	Emerging Technologies	Indiana	Indiana Department of Environmental Management	\$1,000,000.00	Install retrofit technologies on utility vehicles and state on-road construction equipment.	Construction; Municipal: Utility
2009 ARRA	National	New York	New York State Department of Transportation	\$1,000,000.00	Replace one switcher locomotive engine with three engines.	Freight: Locomotive
2009 ARRA	National	Virginia	Virginia Clean Cities (Hampton Roads)	\$1,000,000.00	Retrofit with 35 transit buses with diesel particulate filters (DPFs) and/or diesel oxidation catalysts plus closed crankcase ventilation; retrofit one refuse hauler, replace four school buses, and replace of 24 refuse haulers.	Municipal: Refuse Hauler; Transit: Transit Bus; School Bus

2009 ARRA	National	Nebraska	Lincoln-Lancaster County Health Department	\$1,000,000.00	Retrofit 211 vehicles with EPA-verified idle reduction technologies.	Municipal: Long Haul, Construction, School Bus
2009 ARRA	National	Nebraska	University of Nebraska-Lincoln Nebraska Transportation Center (UNL/NTC)	\$1,000,000.00	Retrofit approximately 187 vehicles with EPA-verified idle reduction technologies.	Freight: Long Haul
2009 ARRA	National	Georgia	Cobb County Schools	\$1,008,413.17	Install diesel particulate filters (DPF) on 108 school buses.	School Bus
2009 ARRA	National	Connecticut	Northeast States for Coordinated Air Use Management	\$1,050,000.00	Repower one vintage switch locomotive from one engine configuration to a three engine set (nonroad Tier 3 certified genset engines).	Freight: Locomotive
2009 ARRA	National	Michigan	Greater Lansing Area Clean Cities	\$1,073,528.00	Retrofit 405 public school buses with diesel oxidation catalysts (DOCs) and replace six public school buses with newer, cleaner 2010 models.	School Bus
2009 ARRA	National	Ohio	Hamilton County Environmental Services	\$1,080,000.00	Replace 60 school buses.	School Bus
2009 ARRA	National	Alabama, Georgia, Kentucky, Florida, Mississippi, North Carolina, South Carolina, Tennessee	American Lung Association	\$1,104,717.86	Install 200 low rolling resistance (LRR) tires; 55 battery powered air conditioners (AC) and seven engine replacement and repowers.	Freight: Long Haul
2009 ARRA	National	North Carolina	Mecklenburg County	\$1,111,084.83	Repower 28 engines and replace six engines.	Agriculture; Construction
2009 ARRA	National	Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont	Cascade Sierra Solutions (SmartWay Rebate)	\$1,147,786.00	Subsidize the purchase of approximately 1,887 pieces of idle reduction, reduced rolling resistance, aerodynamic, and emissions control	Freight: Long Haul

					equipment by owners of class eight trucks and trailers.	
2009 ARRA	National	Washington	Port of Tacoma	\$1,203,846.03	Retrofit two ocean-going vessels; Add certified ship-side technology.	Port: Marine
2009 ARRA	National	Michigan	Great Lakes Commission	\$1,209,049.00	Repower four marine engines from Tier 0 to Tier 2; repowering service generator sets on two Great Lakes bulk carriers.	Port: Marine
2009 ARRA	National	Maine	Maine Turnpike Authority	\$1,209,100.00	Install truck stop electrification with 30 spots at state-owned rest stop on I-95 corridor in Gardner, ME.	Freight: Long Haul
2009 ARRA	Emerging Technologies	Texas	University of Houston	\$1,212,413.97	Retrofit 15 school buses with DPFs and test with PEM system.	School Bus
2009 ARRA	National	Michigan	Lenawee School District	\$1,227,459.10	Replace older buses with two hybrid electric school buses, ten 2010-compliant school buses; retrofit 41 school buses with diesel particulate filters (DPFs) and closed crankcase ventilation (CCV).	School Bus
2009 ARRA	National	Colorado	Regional Air Quality Council	\$1,250,000.00	Retrofit 100 vehicles with auxiliary power units; repower one vehicle; retrofit 21 vehicles with diesel oxidation catalysts; purchase 56 heaters, 44 thermal coolers, 20 SmartWay trailer gap fairings, and 10 SmartWay low rolling resistance tires.	Municipal: Short Haul
2009 ARRA	Emerging Technologies	California	San Joaquin Valley	\$1,260,906.00	Retrofit 25 Class 8A long haul trucks with SCR technology.	Freight: Long Haul
2009 ARRA	National	New York	CALSTART Inc.	\$1,268,799.87	Replace 51 delivery trucks operating in	Freight

					NYC, southern NJ, and upstate NY with diesel hybrid-electric trucks meeting 2007 standards	
2009 ARRA	National	Georgia	University of Georgia Research Foundation, Inc.	\$1,276,560.91	Install diesel particulate filters (DPF) on 238 vehicles (buses, emergency vehicles, and utility vehicles).	Municipal: Transit Bus, Emergency, Utility
2009 ARRA	National	Maryland, Virginia	Chesapeake Bay Foundation	\$1,283,300.75	Repower three education vessels, nine watermen work boats, two tug boats.	Port: Marine
2009 ARRA	Emerging Technologies	Virginia	Fairfax County	\$1,334,352.00	Retrofit 32 school buses with exhaust gas recirculation and DPF systems.	School Bus
2009 ARRA	National	Wyoming	Wyoming Department of Environmental Quality	\$1,340,597.00	Repower ten engines; install 50 diesel oxidation catalysts (DOCs) and 13 diesel particulate filters (DPF); install 17 engine upgrades.	Construction
2009 ARRA	National	New Jersey	Cascade Sierra Solutions	\$1,402,128.45	Retrofit 789 trailers with aerodynamic technology.	Freight: Long Haul
2009 ARRA	Emerging Technologies	Texas	University of Houston	\$1,421,621.00	Retrofit 20 on-road class 7 with exhaust gas recirculation and DPF systems.	Municipal: Construction
2009 ARRA	National	Mississippi	Columbus, MS Municipal School District	\$1,445,851.00	Replace 30 school buses.	School Bus
2009 ARRA	National	Texas	North Central Texas Council of Governments	\$1,467,790.10	Install low rolling resistance (LRR) tires, aerodynamics, and auxiliary power units (APUs) on 390 long haul trucks.	Freight: Long Haul
2009 ARRA	Emerging Technologies	California	South Coast Air Quality Management District	\$1,480,166.93	Retrofit heavy-duty on-road trucks with SCR technology.	Freight: Long Haul
2009 ARRA	National	Pennsylvania	Department of Environmental Protection	\$1,500,000.00	Repower locomotives with engine approaching Tier 3 (mother) and a four-axle platform with four traction	Freight: Locomotive



					motors without engine (slug).	
2009 ARRA	Emerging Technologies	Pennsylvania	Pennsylvania Department of Environmental Protection - CONSOL Energy	\$1,532,439.00	Upgrade engines on two marine vessels.	Port: Marine
2009 ARRA	National	Oklahoma	Oklahoma Department of Environmental Quality	\$1,538,894.00	Retrofit or replace 180 school buses.	School Bus
2009 ARRA	National	Oregon	City of Portland	\$1,552,261.16	Install verified diesel particulate filters (DPFs), partial flow filters (PFFs), and diesel oxidation catalysts (DOCs) on construction equipment; Pilot a clean diesel contracting policy.	Municipal: Construction
2009 ARRA	Emerging Technologies	Texas	Houston Advanced Research Center	\$1,556,733.00	Upgrade two marine vessel engines to Tier 1.	Port: Marine
2009 ARRA	National	Massachusetts	Chelsea Collaborative	\$1,563,480.00	Repower 79 diesel transportation refrigeration units (TRU) with electric versions.	Port: Transport Refrigeration Unit
2009 ARRA	National	California	San Diego County Air Pollution Control District	\$1,563,652.00	Replace, repower, or install diesel particulate filters (DPF) on 125 school buses.	School Bus
2009 ARRA	National	Texas	VIA Metropolitan Transit	\$1,600,490.00	Repower approximately 75 transit buses.	Transit: Transit Bus
2009 ARRA	National	Tennessee	Tennessee Department of Transportation	\$1,623,049.20	Install truck stop electrification area with 175 spaces.	Freight: Long Haul
2009 ARRA	National	Maine, New Hampshire, Vermont	Northeast States for Coordinated Air Use Management	\$1,650,000.00	Repower eight marine vessels to EPA Tier 2 certified engines. Vessels include: four ferries, three tugboats and one sightseeing excursion vessel.	Port: Marine
2009 ARRA	National	California	City of Los Angeles Harbor Department	\$1,699,520.11	Retrofit 27 vehicles including harbor vessels, trucks, sweepers, loaders, cranes, forklifts.	Port

2009 ARRA	National	South Carolina	South Carolina Port Authority	\$1,773,228.37	Repower 36 pieces of cargo handling equipment, two tugboats, and one dredge. Install diesel multi-stage filters (DMF) on 40 trucks.	Port
2009 ARRA	National	Missouri	Grace Hill	\$1,840,248.94	Retrofit, repower, and/or replace 575 barges, delivery trucks, school buses, airport ground support and construction equipment.	Construction; Freight: Delivery; Airport: Ground Support; School Bus
2009 ARRA	Emerging Technologies	California	South Coast Air Quality Management District	\$1,952,630.43	Retrofit heavy-duty on-road trucks with emerging SCR technology.	Freight: Long Haul
2009 ARRA	National	Florida	Miami-Dade Agriculture	\$1,964,080.29	Repower 300 agricultural pumps.	Agriculture
2009 ARRA	Emerging Technologies	Tennessee	Mississippi River Corridor - Tennessee Inc	\$1,999,823.75	Retrofit six marine vessels (13 engines) with DOCs.	Port: Marine
2009 ARRA	National	Kentucky	Kentucky Association of General Contractors	\$2,000,000.00	Retrofit 87 pieces of construction equipment.	Construction
2009 ARRA	National	California	Bay Area Air Quality Management District (BAAQMD)	\$2,000,000.00	Install diesel particulate filters (DPF) on 103 delivery trucks.	Port: Long Haul
2009 ARRA	National	California	San Joaquin Valley Unified Air Pollution Control District	\$2,000,000.00	Repower 30 nonroad vehicles used by agriculture sector in San Joaquin Valley.	Agriculture
2009 ARRA	National	Wisconsin	Wisconsin Department of Commerce	\$2,073,135.00	Retrofit approximately 444 vehicles with various idle reduction technologies.	Freight: Long Haul
2009 ARRA	National	Texas	City of Houston	\$2,116,915.94	Replace 72 long haul trucks with hybrids.	Freight: Long Haul
2009 ARRA	National	Texas	North Central Texas Council of Governments	\$2,186,091.24	Replace/repower 180 long haul trucks.	Freight: Long Haul
2009 ARRA	National	Texas	Port of Houston Authority	\$2,267,741.71	Replace/repower 96 marine engines.	Port: Marine
2009 ARRA	Emerging Technologies	Texas	Houston Advanced Research Center	\$2,362,843.00	Retrofit 27 on-road and 19 non-road	Municipal: Construction

					vehicles with SCR.	
2009 ARRA	National	Minnesota, Wisconsin	National School Transportation Association	\$2,442,983.00	Replace 98 older school buses with 2007 buses; retrofit 62 buses with diesel particulate filters; install 26 fuel operated heaters.	School Bus
2009 ARRA	National	Washington	Puget Sound Clean Air Agency	\$2,534,510.90	Repower three locomotive switcher engines.	Freight: Locomotive
2009 ARRA	National	New Jersey, New York, Puerto Rico	Northeast States for Coordinated Air Use Management	\$2,798,961.00	Repower two ferries and three tugboats with Tier 2 engines.	Port: Marine
2009 ARRA	National	New York	Port Authority of New York and New Jersey	\$2,858,200.00	Install shore power at the Brooklyn Cruise Terminal.	Port: Marine
2009 ARRA	National	Louisiana	Railroad Research Foundation	\$2,899,964.49	Repower four locomotives.	Freight: Locomotive
2009 ARRA	National	Minnesota	Minnesota Environmental Initiative	\$3,000,000.00	Retrofit 684 school buses, locomotives, long haul trucks and pieces of construction equipment with emission reduction devices, idle reduction technologies, engine repowers and vehicle replacements.	Construction; Freight: Locomotive, Long Haul; School Bus
2009 ARRA	National	Pennsylvania	Allegheny County Health Department	\$3,365,978.90	Replace two transit buses with diesel hybrid; retrofit 35 dump trucks; repower one locomotive; upgrade 23 construction vehicles.	Municipal: Transit Bus, Refuse Hauler, Construction; Freight: Locomotive
2009 ARRA	National	Maryland	Port of Baltimore (Maryland Environmental Services)	\$3,392,869.58	Retrofit two tugboats, seven locomotives, 50 short haul trucks, and 83 units of cargo handling equipment.	Port: Marine, Locomotive, Short Haul, Cargo Handling
2009 ARRA	National	Indiana, Minnesota, Ohio, Wisconsin	American Lung Association - Upper Midwest	\$3,720,751.17	Retrofit, repower and idle reduction for 502 vehicles.	Freight: Long Haul
2009 ARRA	National	Kansas	Kansas Department of	\$3,991,912.73	Replace, repower, and/or install automatic	Municipal: Construction, Long Haul

			Health and the Environment		shutdown systems, diesel oxidation catalysts (DOC), low pressure resistance (LRR) tires on 176 vehicles.	
2009 ARRA	National	California	San Joaquin Valley Unified Air Pollution Control District	\$4,000,000.00	Install diesel particulate filters (DPF) on 190 school buses operating in San Joaquin Valley.	School Bus
2009 ARRA	National	California	Port of Long Beach	\$4,008,250.00	Replace, repower, or retrofit 118 pieces of cargo handling equipment.	Port: Cargo Handling
2009 ARRA	National	Illinois	Illinois Environmental Protection Agency	\$4,172,335.00	Retrofit 21 fleets (approximately 675 diesel vehicles and/or engines) with auxiliary power units, diesel oxidation catalysts, diesel multi-stage filters, direct-fired heaters and engine repowers (replace with cleaner engines).	Construction: Freight: School Bus: Other
2009 ARRA	National	Maryland, Pennsylvania, Virginia	Mid-Atlantic Regional Air Management Association	\$4,269,216.26	Retrofit 14 and replace six transit buses, repower two harbor craft, retrofit 25 dump trucks, replace six cement trucks, repower one locomotive, replace one truck.	Construction; Port: Marine; Freight: Long Haul; Transit: Transit Bus; Municipal: Refuse Hauler
2009 ARRA	National	Ohio	Ohio Department of Development	\$4,723,002.96	Repower locomotives and construction equipment; replace municipal and school buses; repower and retrofit construction equipment; retrofit municipal vehicle.	Freight
2009 ARRA	National	New Jersey, New York	Port Authority of New York and New Jersey	\$6,998,528.39	Replace 636 drayage trucks.	Port: Drayage
2009 ARRA	SmartWay Finance	Texas	Houston-Galveston Area Council (HGAC)	\$8,750,000.00	Establishes a Bridge Loan (revolving loan) program to help drayage (regional and short haul) owner-	Port: Drayage

					operators and related small businesses purchase and operate cleaner more fuel efficient trucks at the Port of Houston and Greater Houston-Galveston area.	
2009 ARRA	National	California	California Air Resources Board	\$8,771,891.00	Repower eight older switch yard (three engines per switcher) locomotives with new Tier 3 nonroad electrical generator set (genset) engines to operate in the South Coast.	Freight: Locomotive
2009 ARRA	SmartWay Finance	Oregon	Cascade Sierra Solutions (CSS)	\$9,000,000.00	Creates a national revolving loan program for heavy-duty diesel trucks to save fuel and reduce emissions. The program includes leases for truck replacements, retrofits, repowers, idle reduction technology, aerodynamic technology, and/or low rolling resistance tires.	Freight: Long Haul
2009 - 2010	SmartWay Finance	Tennessee	Southern Alliance for Clean Energy Loan Guarantee	\$50,400.43	Creates "Clean Trucks Make Cents" program, providing loan guarantees for the purchase of used pre-2007 on-highway vehicles that have been retrofitted with verified emission control and idle reduction technologies.	Freight: Long Haul
2009 - 2010	Emerging Technologies	Washington	The Puget Sound Clean Air Agency Seawater Scrubber Project	\$61,750.95	Install particulate matter seawater scrubber on dinner cruise vessel.	Port
2009 - 2010	National	Kansas	Kansas Department of Health and Environment	\$233,218.00	Retrofit 33 school buses with diesel oxidation catalysts; installing two fuel-operated heaters on	Construction:Freight:School Bus

					school buses; installing 3 auxiliary power units on long haul trucks.	
2009 - 2010	National	Hawaii	Honolulu Clean Cities Hawaii Clean Diesel Initiative	\$300,000.00	Repower 60 para-transit buses from ultra-low sulfur diesel to B20 biodiesel fuel; retrofit four pieces of construction equipment with diesel particulate filters.	Construction;Transit:Transit Bus
2009 - 2010	National	Pennsylvania	City of Philadelphia	\$340,164.96	Replace eight buses with high efficiency diesel-powered buses.	Municipal: Transit Bus
2009 - 2010	National	Connecticut	Town of Fairfield	\$341,471.00	Retrofit 39 on-road and non-road public works vehicles with verified diesel particulate filters (DPFs)	Construction:Other
2009 - 2010	National	Pennsylvania	Clean Air Council	\$350,000.00	Retrofit 30 diesel vehicles with partial flow-through filters (PFFs); retrofit 30 vehicles with diesel oxidation catalysts (DOCs); replace two diesel service vehicles.	Freight
2009 - 2010	National	Missouri	National School Transportation Association	\$360,632.01	Replace five old buses with new 2010 buses; install 45 fuel-operated heaters.	School Bus
2009 - 2010	National	Texas	North Central Texas Council of Governments	\$412,720.91	Install Truck Stop Electrification (TSE) at various location in North Central Texas.	Freight: Long Haul
2009 - 2010	SmartWay Finance	Oregon	Cascade Sierra Solutions Lease Program	\$415,976.06	Creates revolving lease-to-own finance program, focusing on heavy-duty diesel trucks in long-haul, short-haul and drayage applications. Funding can be used to replace older trucks with newer, cleaner trucks, as well as to retrofit	Freight

					existing vehicles with verified emission control and idle reduction technologies.	
2009 - 2010	National	Oregon	Oregon Department of Environmental Quality	\$475,155.00	Repower four pilot launch boats and one towboat with certified engine technology.	Port
2009 - 2010	National	Texas	North Central Texas Council of Governments	\$485,992.39	Upgrade Tier zero and/or Tier one construction equipment through replacements, repowers, and/or retrofits.	Construction
2009 - 2010	National	Wisconsin	Assoc. General Contractors of Gr. Milwaukee	\$492,018.13	Repower of 2 work boat auxiliary engines, 2 tug boat main propulsion engines, 2 tugboat auxiliary engines, and 10 pieces of construction equipment, upgrade of 3 and retrofit of 5 pieces of construction equipment.	Construction:Other
2009 - 2010	National	California	CALSTART Inc.	\$499,338.00	Retrofit up to 537 tractor-trailers operating in New York and New Jersey with aerodynamic technologies. Takes place in NJ, NY.	Freight: Long Haul
2009 - 2010	National	Maryland	Mid-Atlantic Regional Air Management Association (MARAMA)	\$499,566.00	Repower one tug with new engine certified to current emission standards.	Port
2009 - 2010	National	Illinois	Metropolitan Mayors Caucus	\$500,000.00	Replace 52 school buses.	School Bus
2009 - 2010	National	Texas	North Central Texas Council of Governments	\$500,000.00	Replace, repower, retrofit, or install idle reduction technology on school buses in a 16 county area.	School Bus
2009 - 2010	National	Maryland	Maryland Transit Administration	\$505,000.00	Repower 12 transit buses and retrofit with active diesel particulate filter.	Transit: Transit Bus

2009 - 2010	National	DC	Metro Washington Council of Governments	\$560,600.00	Retrofit seven municipal nonroad construction units and repower two passenger vessels operating on the Potomac.	Municipal: Construction; Port: Marine
2009 - 2010	National	Maine	Maine Department of Environmental Protection	\$589,064.00	Repower 17 non-regulated marine engines with Tier 2-certified marine engines.	Port
2009 - 2010	National	Wisconsin	Leonardo Academy Inc.	\$599,945.93	Install 37 aerodynamic technologies, 35 low rolling resistance tires, 46 idle reduction on long haul trucks and 34 on school buses, 8 school bus retrofit technologies, and 5 municipal engine upgrades.	Freight: Long Haul; School Bus; Municipal: Utility
2009 - 2010	National	Michigan	Clean Energy Coalition Clean Energy Coalition	\$599,999.00	Upgrade engines on 21 pieces of construction equipment.	Construction
2009 - 2010	National	Indiana	South Shore Clean Cities Inc.	\$602,000.00	Repower marine vessels with 8 new engines certified to Tier 2 standards.	Port
2009 - 2010	National	New York	Nassau County Police Department	\$700,121.00	Repower ten main and five auxiliary engines with Tier 2-certified engines on five patrol boats.	Port: Marine
2009 - 2010	National	Virginia	James Madison University Virginia	\$710,000.00	Repower 11 pieces of construction equipment.	Construction
2009 - 2010	National	Virginia	Virginia Port Authority Dredging Repower Project	\$719,135.00	Repower two main engines of one dredge vessel.	Port
2009 - 2010	Emerging Technologies	California	City of Los Angeles Harbor Department Port of Los Angeles EcoCrane Project	\$731,292.21	Replace diesel engine in one diesel rubber tired gantry crane with Tier 3 generator and two battery packs.	Port
2009 - 2010	National	Minnesota	University of Wisconsin - Superior	\$750,000.00	Replace one (1) vessel and repower two (2) 30-year-old diesel engines with two new engines	Port



					that meet EPA and IMO Tier 2 air emission standards.	
2009 - 2010	National	Ohio	Clean Fuels Ohio	\$750,000.00	Install idle reduction technologies on 21 school buses and 73 long haul trucks; repower two pieces of construction equipment; repower one delivery vehicle using compressed natural gas (CNG); replace one piece of construction equipment.	Construction; Freight: Delivery; School
2009 - 2010	National	Massachusetts	Massachusetts Bay Transportation Authority	\$790,624.00	Repower seven Locomotive Head End Power engines with new Tier 2-certified Head End Power engines.	Freight: Locomotive
2009 - 2010	National	Texas	Cascade Sierra Solutions	\$793,023.83	Retrofits, vehicle replacements, idle reduction and aerodynamic technologies on school buses, and medium and heavy-duty trucks.	Freight: Long Haul; School Bus
2009 - 2010	National	Oregon	Cascade Sierra Solutions	\$800,720.92	Replace 41 early 1990-2001 diesel trucks with hybrid and conventional clean diesel vehicles	Freight: School Bus
2009 - 2010	National	Texas	Houston Advanced Research Center	\$811,933.59	Install auxiliary power units (APUs) on long-haul diesel trucks.	Freight: Long Haul
2009 - 2010	National	Missouri	Passenger Vessel Association	\$829,039.00	Replace three (3) marine diesel generator engines on the vessel Showboat Branson Belle, in Branson, Missouri.	Port
2009 - 2010	National	Massachusetts	Northeast States for Coordinated Air Use Management	\$850,000.00	Repower or retrofit 48 pieces of cargo handling equipment at South Jersey Port. Takes place in NJ.	Port: Cargo Handling
2009 - 2010	National	Washington	Pacific Northwest Poll Prev Res Center	\$875,972.00	Install 2,058 dry van trailers with EPA SmartWay verified	Freight: Long Haul

					aerodynamic technologies.	
2009 - 2010	National	Washington	Washington Department of Ecology	\$875,972.00	Idle reduction for school buses; Install 230 school buses with engine pre-heater and cabin heaters.	School Bus
2009 - 2010	National	Michigan	Okemos Public Schools	\$877,076.00	Retrofit 247 school buses with idle reduction technologies.	School Bus
2009 - 2010	Emerging Technologies	California	California Air Resources Board Selective Catalytic Reduction Project	\$928,594.00	Retrofit one line-haul locomotive with SCR technology.	Freight: Locomotive
2009 - 2010	National	Michigan	Michigan Infrastructure and Transportation Association	\$966,520.13	Repower 29 construction vehicles in southeast Michigan.	Construction
2009 - 2010	National	DC	Railroad Research Foundation of West Virginia	\$974,800.00	Repower one conventional diesel switcher locomotive engine with Ultra-Clean Generator Set (GENSET) diesel locomotive technology and controls.	Freight: Locomotive
2009 - 2010	National	Maryland	Maryland Transit Administration	\$975,000.00	Repower conventional switcher locomotive engine with Ultra-Clean Generator Set (GENSET) technology.	Freight: Locomotive
2009 - 2010	National	Kentucky	Louisville/Jefferson County Metro Government	\$976,439.60	Retrofit 73 pieces of nonroad construction equipment, four pieces of airport equipment, and three on-road vehicles with Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs).	Construction; Airport: Ground Support
2009 - 2010	National	Minnesota	Minnesota Environmental Initiative	\$977,242.00	Retrofit school buses with DOCs and CCVs; retrofit 59 heavy-duty trucks and construction equipment with DOCs; retrofit	Construction; School Bus

					cement trucks and other construction equipment with multistage filters; install Emissions Upgrade Kits; repower seven pieces of construction equipment with newer engines.	
2009 - 2010	National	Massachusetts	Harbor Development Commission Port of New Bedford Shore-side Power Electrification Project	\$999,711.90	Install 16 verified shore-side electrification pedestals on two fishing piers in New Bedford Harbor; provide up to 100 rebates to commercial fishermen to assist with retrofitting their vessels with transfer switches to accommodate shore-side power.	Port
2009 - 2010	National	Missouri	Owner - Operator Independent Drivers Association	\$1,000,000.00	Install 300 auxiliary power units (APUs) on long-haul trucks.	Freight: Long Haul
2009 - 2010	National	California	Port of San Francisco	\$1,000,000.00	Design and install shore-to-ship electrical connection system for cruise ships berthed at Pier 27, Port of San Francisco.	Port
2009 - 2010	National	Texas	Port of Corpus Christi Locomotive Switch Engine Repower Project	\$1,026,058.00	Repower existing 1,000 horsepower locomotive switch engine with two 700 horsepower GENSET engines.	Port
2009 - 2010	National	Montana	Missoula County	\$1,027,789.99	Retrofit 34 diesel locomotives with auxiliary power units (APUs).	Freight: Locomotive
2009 - 2010	National	Massachusetts	Northeast States for Coordinated Air Use Management	\$1,028,447.27	Retrofit 29 regional freight locomotives with Tier 3-certified auxiliary power units (APUs).	Port
2009 - 2010	National	Louisiana	Regional Planning Commission for Jefferson, Orleans, Parishes	\$1,045,125.00	Repower one conventional diesel locomotive engine	Freight: Locomotive

					with multiple GENSET engines.	
2009 - 2010	Emerging Technologies	Texas	University of Houston Selective Catalytic Reduction Project	\$1,050,000.00	Retrofit and in-use testing of ten school buses with Nett Technologies BlueMAXTM Selective Catalytic Reduction System.	School Bus
2009 - 2010	National	California	South Coast Air Quality Management District	\$1,065,465.00	Replace 43 pre-1994 diesel school buses with compressed natural gas (CNG) powered school buses.	School Bus
2009 - 2010	National	Mississippi	Mississippi State University	\$1,068,936.73	Retrofit two fleets with 100 battery operated air conditioners (BACs)s.	Freight: Long Haul
2009 - 2010	National	Pennsylvania	Port of Pittsburgh Commission	\$1,139,616.15	Repower four marine vessels with eight new and efficient Tier II engines and generators.	Port
2009 - 2010	National	Wisconsin	Wisconsin Department of Natural Resources	\$1,182,826.00	Replace 26 buses; retrofit 26 buses; idle reduction technologies for 28 vehicles; engine upgrades for five vehicles; repower three construction vehicles.	Construction: School Bus
2009 - 2010	National	California	City of Los Angeles Harbor Department	\$1,212,838.00	Install a natural gas powered shore-to-ship electrical connection system for berthed ocean-going vessels at Port of Los Angeles.	Port
2009 - 2010	National	Ohio	Ohio Regional Planning Commission	\$1,229,969.00	Install 175 idle reduction and 156 diesel retrofits on school buses; install idle reduction on 23 long haul trucks, four construction units; repower and retrofits on 18 pieces of municipal equipment.	Freight: Long Haul; School Bus
2009 - 2010	National	Massachusetts	Northeast States for Coordinated Air	\$1,237,856.00	Repower nine construction tower	Construction

			Use Management		gantry cranes with Tier 3-certified engines; retrofit one repowered crane with a diesel particulate filter (DPF). Takes place in NJ,NY.	
2009 - 2010	National	Florida	Miami-Dade County Miami Port Authority	\$1,481,511.81	Electrify four gantry cranes; retrofit 19 pieces of cargo handling equipment.	Port
2009 - 2010	National	Texas	Port of Houston Authority	\$1,487,908.00	Fuel switching to a low-sulfur fuel (less than or equal to 0.2 percent) for 21 ocean going vessels that call on the Port of Houston.	Port
2009 - 2010	National	Illinois	American Lung Association of the Upper Midwest American Lung Association	\$1,490,657.99	Retrofit 68 school buses; idle reduction on 170 school bus and 97 long haul trucks; install aerodynamics on 30 long haul trucks.	Freight: Long Haul; School Bus
2009 - 2010	Emerging Technologies	California	South Coast Air Quality Management District (Port of Long Beach) Advanced Maritime Emission Control System Project	\$1,500,000.00	Install on shore emissions capture and treatment system for auxiliary engines of ocean-going vessels.	Port: Marine: School Bus
2009 - 2010	National	New York	The Port Authority of NY & NJ	\$1,575,314.90	Replace 125 pre-2003 model year drayage trucks with 2007-certified trucks.	Port
2009 - 2010	National	California	City of Long Beach City Harbor Craft and Cargo-Handling	\$1,630,051.13	Repower three harbor vessels and one piece of cargo-handling equipment; retrofit four pieces of cargo-handling equipment at Port of Long Beach.	Port
2009 - 2010	National	Florida	Florida Refrigeration and Air Conditioning Contractors	\$1,675,175.66	Retrofit, repower and replace 223 pieces of construction equipment.	Construction; Agriculture

2009 - 2010	National	California	San Joaquin Valley Unified Air Pollution Control District	\$1,796,474.00	Replace 48 on road trucks.	Freight: Long Haul
2009 - 2010	National	Missouri	Missouri Department of Natural Resources	\$1,872,739.00	Replace nine school buses with buses meeting 2010 emissions standards; retrofit 45 concrete mixers and 14 trash trucks with diesel oxidation catalysts (DOCs); retrofit 474 school buses with either diesel oxidation catalysts (DOCs) or fuel operated heaters; retrofit three locomotives with automatic engine shut down / start up devices and auxiliary power units (APUs).	Freight: Locomotive; Construction; School Bus
2009 - 2010	National	New York	New York City Department of Transportation	\$2,000,000.00	Repower four main and two auxiliary engines on one commuter ferry with Tier 2-certified engines.	Port
2009 - 2010	SmartWay Finance	DC	Community Development Transportation Lending Services Loan Program	\$2,365,226.32	Provides incentives to replace older trucks with newer, cleaner trucks equipped with verified emission control and applicable idle reduction technologies. Program focuses on fleet owners who operate in poor air quality areas, including ports and rail yards.	Freight
2009 - 2010	National	Colorado	Regional Air Quality Council Comprehensive Clear Skies and Climate Collaborative	\$2,502,727.98	Retrofit 118 trucks with auxiliary power units (APUs); retrofit 15 school buses and 46 public works vehicles with diesel oxidation catalysts (DOCs), retrofit 15 school buses and 23 public works vehicles with closed	Freight: Long Haul; Municipal: Utility; School Bus

					crankcase ventilation (CCV); retrofit 56 public works vehicles, with fuel operated heaters/hydro heaters; retrofit 27 school buses, five public works vehicles and 45 trucks with fuel operated heaters; retrofit 32 trucks with thermal coolers; retrofit 47 school buses, ten public works vehicles and 33 trucks with bunk heaters; replace two vehicles operating in the oil and gas fields with new, cleaner vehicles; install an estimated 25 sets of low rolling resistance tires on trucks; install 100 trailer skirts trucks.	
2009 - 2010	National	Connecticut	Fairfield Connecticut Municipal Vehicle Retrofit Project	\$2,525,245.77	Retrofit 39 on-road and non-road public works vehicles with diesel particulate filters (DPFs).	Port
2009 - 2010	National	California	California Air Resources Board	\$3,850,798.43	Repower two older Switch Yard Locomotives that operate in the South Coast Air Basin with new GENSET.	Freight: Locomotive
2009 - 2010	SmartWay Finance	Maryland	Mid-Atlantic Regional Air Management Association Lease/Loan Project	\$3,893,173.66	Provides incentives to replace drayage trucks operating in the Mid-Atlantic Region by providing a down payment to complement a lease/loan program.	Freight
2008	National	Tennessee	Knox County Government	\$40,251.29	Retrofit 119 nonroad engines with emission controls and ULSD.	Municipal: Utility, Construction, Agricultural
2008	National	Connecticut	Connecticut Department of Environmental Protection	\$49,867.00	Retrofit 13 state owned onroad trucks DOCs; retrofit four construction vehicles with DPFs;	Municipal: Utility, Construction

					retrofit seven air compressors with DPFs.	
2008	National	New York	Board of Cooperative Educational Services	\$95,450.00	Replace two school buses with buses.	School Bus
2008	National	New York	Capital District Transportation Authority	\$125,000.00	Retrofit 195 transit buses that operate in 4 counties with DPFs.	Transit: Transit Bus
2008	National	Michigan	Lenawee Intermediate School District	\$145,337.26	Retrofit school buses with DPFs.	School Bus
2008	National	Indiana	Northwest Indiana Forum Foundation Inc.	\$164,032.00	Repower nonroad vehicles.	Construction
2008	National	New Hampshire	Manchester Transit Authority	\$176,175.32	Retrofit 72 city owned vehicles with DOCs; retrofit seven school buses with CCVs; install 10 s-bar heaters on school buses; supplement purchase of B20 biodiesel.	School Bus; Municipal: Construction, Utility
2008	National	Colorado	City and County of Denver	\$178,183.00	Retrofit 31 refuse vehicles with fuel operated hydraulic and cab heaters, 17 refuse vehicles and six snow removal trucks with fuel operated cab heaters.	Municipal: Utility, Construction
2008	National	Maryland	MD Environmental Services	\$178,480.97	Reducing emissions from nonroad equipment used in dredging and waste material handling operations.	Port: Material Handling
2008	National	Vermont	Chittenden Solid Waste District	\$198,925.63	Replace 3 older diesel refuse/recycling trucks with CNG models.	Municipal: Refuse Hauler
2008	National	Pennsylvania	Pennsylvania Department of Transportation	\$219,433.24	Retrofit line-haul locomotive with APUs.	Freight: Locomotive
2008	National	Ohio	Ohio Environmental Council	\$238,996.00	Retrofit municipal vehicles with DOCs, DPFs, CCVs, and APUs.	Municipal: Utility, Refuse



2008	National	Georgia	Georgia Ports Authority	\$250,000.00	Retrofit entire fleet of cargo handling equipment (133 units) at the Savannah port with DOCs and CCVs.	Port
2008	National	Michigan	NextEnergy Center	\$250,000.00	Add auxiliary power units to Private trucks (over-the-road semi-trucks).	Freight: Long Haul
2008	National	Michigan	Michigan Clean Energy Coalition	\$250,000.00	Repower nonroad vehicles.	Construction
2008	National	Michigan	The Laker School District	\$251,100.00	Replace school buses, employ idle reduction, B20 and heaters.	School Bus
2008	National	New Jersey, New York	Port Authority of New York & New Jersey	\$276,069.10	Retrofit 30-40 utility trucks operated by the Port Authority with DPFs, including wrecker trucks, dump trucks, and line body enclosed utility trucks.	Port: Utility
2008	Emerging Technologies	Texas	Center for Transportation and the Environment	\$300,000.00	Retrofit diesel trucks with CAT 3126 PM & NOx Reduction System; up to four vehicles in Houston, TX, and up to three vehicles in Indianapolis, IN.	Freight
2008	National	South Dakota	Sioux Falls School District	\$300,000.00	Replace 6-7 school buses.	School Bus
2008	National	Massachusetts	Northeast States for Coordinated Air Use Management	\$319,301.00	Retrofit up to 20 pieces of off-road equipment, including but not limited to backhoes, end loaders, excavators, crawler tractors, and cranes with active DPFs.	Construction
2008	National	Indiana	Indiana Dept. of Environmental Management	\$334,500.00	Retrofit onroad vehicles (over-the-road semi-trucks), nonroad vehicles, rail with DOCs and DPFs.	Transit: Transit Bus
2008	National	New York	Middle Country Central School District	\$359,305.00	Replace five 1996 diesel school buses with CNG school buses.	School Bus

2008	National	Missouri	Grace Hill Settlement House	\$380,677.78	Retrofit 469 buses.	School Bus
2008	National	Massachusetts	Massachusetts Port Authority	\$382,396.62	Install 6 power stations at the Fish Pier, enabling up to 12 additional fishing vessels to connect to shore power when docked, reducing unnecessary idling by 95%.	Port
2008	National	Kentucky	Kentucky Clean Fuels Coalition	\$383,442.13	Replace Perkins diesel engines with CARB certified gasoline engines; scrap old 92 engines, retrofit 3 terminal gates.	Airport: Ground Support
2008	National	New York	Environmental Defense Fund	\$391,462.04	Replace 19 delivery vehicles with hybrid electric trucks.	Freight: Delivery
2008	National	Oregon	City of Portland	\$393,814.30	Retrofit 64 pieces of construction equipment used for public works projects in the City of Portland and Multnomah County.	Municipal: Construction
2008	National	Florida	City of St. Petersburg	\$396,709.25	Retrofit 63 on-highway vehicles with DPFs and use B20 blend of biodiesel	Construction:Freight
2008	National	Utah	Utah Dept of Air Quality	\$399,955.00	Retrofit 190 school buses with DOCs and CCVs.	School Bus
2008	National	Colorado	Colorado Department of Public Health	\$399,998.53	Retrofit 98 school buses with DOCs, CCVs and engine pre-heaters.	School Bus
2008	National	Minnesota	Minnesota Environmental Initiative	\$400,000.00	Retrofit school buses, municipal trucks, nonroad vehicles with DOCs and CCVs.	School Bus; Municipal: Utility
2008	National	Ohio	Clean Fuels Ohio	\$412,554.00	Retrofit municipal vehicles with DPFs.	Municipal: Utility
2008	National	Colorado	Regional Air Quality Council	\$455,645.00	Retrofit 98 school buses with DOCs and CCVs.	School Bus

2008	National	Ohio	Stark County Educational Service Center	\$465,364.00	Retrofit school buses with DPFs, DOCs and CCVs and replace school buses.	School Bus
2008	Emerging Technologies	Texas	Texas Transportation Institute	\$476,031.23	Retrofit six nonroad construction vehicle engines with SCR systems.	Construction
2008	National	Idaho	Idaho Dept of Environmental Quality	\$481,303.00	Retrofit 193 school buses with DPFs and DOCs and CCVs.	School Bus
2008	National	DC	Metropolitan Washington Council of Governments	\$486,866.17	Retrofit, repower and upgrade engines including tractors, loaders, and backhoes.	Construction
2008	National	New Jersey	New Jersey Motor Truck Association	\$491,867.82	Retrofit Delivery Trucks with a combination of APUs, bunk heaters, DOCs, and DPFs.	Freight: Delivery
2008	Emerging Technologies	Texas	University of Houston	\$498,588.84	Retrofit five nonroad engines with SCR systems.	Construction
2008	National	Texas	Texas Commission on Environmental Quality	\$500,000.00	Retrofit approximately 100 school buses.	School Bus
2008	National	New York	Erie County Department of Environmental Planning	\$521,667.33	Retrofit 240 school buses with combination of DOCs and CCVs and equip 10 school buses with fuel-fired heaters.	School Bus
2008	National	Massachusetts	Northeast States for Coordinated Air Use Management	\$535,250.00	Install auxiliary power units on 17 locomotives operated by the Providence and Worcester RR - based in Valley Falls, RI; Plainfield and New Haven, CT; and Worcester, MA.	Freight: Locomotive
2008	National	California	Kern County Superintendents of Schools	\$539,116.50	Replace '87-'89 buses with 6 CNG school buses.	School Bus
2008	National	California	Sacramento Metropolitan Air Quality Management District	\$553,360.00	Replace 7 medium/heavy duty hybrid trucks; replace 15 hybrid	Municipal: Short Haul; School Bus

					electric school buses.	
2008	National	California	CALSTART, Inc.	\$678,458.69	Reduce emissions on shuttle buses and ground equipment at four major CA airports.	Airport: Shuttle Bus, Ground Support
2008	National	Illinois	Illinois Environmental Protection Agency	\$678,604.00	Retrofit school buses, transit or passenger buses, delivery trucks, work trucks, onroad semi-trucks.	School Bus; Transit: Transit Bus; Freight: Delivery, Utility, Short Haul
2008	Emerging Technologies	Washington	Puget Sound Clean Air Agency	\$687,560.87	Upgrade one category 2 marine engine with the Caterpillar 3500 marine engine upgrade kit.	Port: Marine
2008	National	Maryland	Montgomery County Public Schools	\$699,501.00	Retrofit Montgomery County 72 School Bus with DPFs.	School Bus
2008	National	Texas	North Central Texas Council of Governments	\$705,939.23	Retrofit 150 utility vehicles with APUs.	Construction
2008	National	Texas	North Central Texas Council of Governments	\$706,478.73	Retrofit 20 heavy duty diesel vehicles.	Freight: Long Haul
2008	National	Missouri	Missouri Department of Natural Resources	\$725,972.16	Retrofit 150 pieces of construction equipment.	Construction
2008	National	South Carolina	South Carolina State Ports Authority	\$729,823.75	Engine repower, ULSD, idle reduction technology for about 50 trucks and 40 cranes.	Port: Utility, Construction
2008	National	New Jersey, New York	Port Authority of New York & New Jersey	\$738,388.00	Offer a low-cost financing purchase of retrofitted trucks or repowering of used trucks.	Port: Short Haul
2008	National	North Carolina	Mecklenburg County	\$742,116.05	Retrofit and upgrade construction equipment.	Agriculture: Construction: Freight
2008	National	Wisconsin	WI Department of Transportation	\$747,418.51	Repower nonroad vehicles.	Construction
2008	National	North Carolina	North Carolina Department of Environment and Natural Resources	\$749,999.57	Repowers and engine replacements for construction equipment.	Construction

2008	Emerging Technologies	California	South Coast Air Quality Management District	\$752,935.14	Retrofit heavy duty diesel on-highway trucks with Johnson Matthey SCR technology systems.	Freight: Long Haul
2008	SmartWay Finance	Oregon	Cascade Sierra Solutions	\$780,279.12	The EPA funds will serve as a security interest allowing Cascade Sierra Solutions to substantially expand its line of credit to \$17.1 million that it will use to provide below-market interest rates loans. These loans will allow truck owners to install and lease SmartWay fuel saving technologies or EPA or CARB-verified emission reduction technologies. The goal is to install emission reduction technology and idle reduction technology on 1,700 trucks.	Freight: Long Haul
2008	National	Washington	Puget Sound Clean Air Agency	\$850,000.00	Replace 10 off-highway trucks with trucks with onroad engines; retrofit 74 pieces of cargo handling equipment with DPF, partial-flow filters and/or CCVs.	Port: Cargo Handling, Short Haul
2008	National	California	South Coast Air Quality Management District	\$1,000,000.00	Retrofit 200 '99-'02 heavy-duty class 8 trucks with DPF.	Freight: Long Haul
2008	SmartWay Finance	Missouri	Owner-Operator Independent Drivers Association (OOIDA)	\$1,130,000.00	The association will offer a financing package that includes below-market financing and rebates for emission reduction and idle reduction equipment on their trucks. OOIDA will also use the EPA funds as a security interest for their line of credit, which will	Freight: Long Haul

					allow them to offer loans to applications with lower FICO scores.	
2008	SmartWay Finance	DC	Community Development Transportation Lending Services (CDTLS)	\$1,130,000.00	This project will create a revolving loan program. CDTLS will work with truck dealerships to offer low interest loans, ranging from 5.5% - 8.5%, and longer loan payback periods, ranging from three to six years, to qualified applicants who wish to purchase used trucks that are upgraded with SmartWay fuel savings idle reduction and/or emission reduction technology. The goal is to lend funds for the purchase of over 200 used trucks with complete SmartWay upgrades.	Freight
2008	National	Kansas	Kansas Department of Health & Environment	\$1,525,524.00	Retrofit 200 trucks and buses with DOCs with CCVs.	Transit: Transit Bus; Freight: Short Haul

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