

FTA FY 2011 Sustainability Awards

State	Program	Transit Provider	Project Title	Project Description	Amount
AZ	TIGGER	Regional Public Transportation Authority (Phoenix)	Electric Fan Retrofit	RPTA will retrofit as many as 70 transit buses with an innovative electric engine cooling fan system. The retrofit is a cost-effective solution for energy savings.	\$1,349,715
AZ	TIGGER	Regional Public Transportation Authority (Phoenix)	METRO Solar and Shade Canopy System	RPTA will install approximately 142,000 square feet of shade and solar panels over existing rail tracks and yard at METRO's operations and maintenance facility, which will generate enough electricity to satisfy nearly 100 percent of the building's peak power needs.	\$2,715,000
AZ Total					\$4,064,715
CA	TIGGER	Long Beach Public Transportation Company	Long Beach Transit Zero Emission/All Electric Bus Pilot Project	Long Beach Public Transportation Company will replace 10 aging diesel buses with zero emission, all electric buses on a heavily traveled, highly visible, popular circulator route .	\$6,700,000
CA	TIGGER	SunLine Transit Agency (Thousand Palms)	American Fuel Cell Hybrid Buses for SunLine Transit	TIGGER funding will assist Sunline in building two fuel cell hybrid buses, bringing the total number of such buses in its fleet to five. The project will improve upon the process for building a Buy America-compliant fuel cell hybrid bus, introduced under the American Fuel Cell Bus Program. This project will assist in mainstreaming this technology by focusing on the reduction of assembly costs. and utilizing Sunline's existing hydrogen fueling and maintenance capabilities.	\$4,917,876
CA	Clean Fuels	Long Beach Public Transportation Company	Replace aging diesel buses with alternatively fueled Gasoline/Electric Hybrid coaches.	Long Beach Public Transportation Company will replace aging buses with gasoline/electric hybrid buses that demonstrates an emerging technology. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$2,000,000

CA	Clean Fuels	Monterey-Salinas Transit	Purchase/replace gas mini-buses with new diesel hybrid electric mini-buses.	Monterey-Salinas Transit will purchase or replace four gas mini-buses with new diesel hybrid electric mini-buses. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$788,308
CA Total					\$14,406,184
CT	TIGGER	Connecticut Department of Transportation	Procurement of Stationary Fuel Cell by the Connecticut Department of Transportation for Installation at the CTTransitNew Haven Division Bus Maintenance Facility	ConnDOT will purchase a stationary fuel cell for the CTTransit New Haven Division Bus maintenance facility, which will provide up to 3.3 million kilowatt-hours per year, or approximately 59 percent of the facility's annual electric use.	\$5,702,298
CT Total					\$5,702,298
FL	Clean Fuels	City of Gainesville	Procure HE Biodiesel buses and electric cooling system conversions for existing biodiesel buses	The City of Gainesville will replace buses in its fleet that have met their useful lives with hybrid-electric biodiesel buses. As part of this project, the city will also retrofit existing biodiesel buses with electric cooling systems that can increase fuel efficiency. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$3,000,000
FL	TIGGER	South Florida Regional Transportation Authority	Tri-Rail's Pompano Beach Green Station Demonstration Project	The Pompano Beach Green Station Demonstration will be an innovative demonstration project that will showcase Tri-Rail's first green, LEED certified, sustainable station, which will generate more than 100 percent of its energy demand through solar panels.	\$5,713,549
FL	Clean Fuels	HILLSBOROUGH AREA REGIONAL TRANSIT AUTHORITY (Tampa)	Compressed Natural Gas (CNG) Fueling Station and Maintenance Facility Modifications	HART will design and build a new CNG fueling station to support the transition of its fixed route fleet to CNG power. HART will also upgrade its maintenance facility.	\$2,320,000

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FL Total					\$11,033,549
GA	Clean Fuels	Columbus Consolidated Government	Purchase of hybrid-electric buses	Funds will be used to purchase four hybrid-electric buses as replacement buses for buses that have reached their useful life. This project was selected because the operating service area meets the clean fuels program's objectives.	\$1,677,312
GA Total					\$1,677,312
IA	Clean Fuels	Des Moines Area Regional Transit Authority	Hybrid bus upgrade	DART will use funds to purchase hybrid buses. This project was selected because the operating service area meets the clean fuels program's objectives.	\$1,125,000
IA Total					\$1,125,000
IL	Clean Fuels	Illinois Department of Transportation	Purchase of replacement hybrid-electric vehicles	The Illinois Department of Transportation, on behalf of a number of transit agencies throughout the state, will replace diesel buses that have met their useful lives with hybrid-electric vehicles. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$5,000,000
IL	TIGGER	Commuter Rail Division of the RTA d/b/a Metra (Chicago)	Locomotive Energy Efficiency Project in Northeast Illinois - A Non-Attainment Region	Metra will replace main engine-driven generators on ten of its passenger locomotives by introducing innovative anti-idle technology that will reduce energy use and harmful emissions. These locomotives operate on Metra's Rock Island District Milwaukee District.	\$2,208,000
IL	Clean Fuels	Springfield Mass Transit District	Replace the Compressed Natural Gas (CNG) Fueling Station	The Springfield Mass Transit District will replace its aging CNG refueling facility, which will also allow for future expansion of its CNG fleet.	\$1,000,000
IL Total					\$8,208,000
IN	Clean Fuels	City of Evansville-- Metropolitan Evansville Transit System	Purchase 11 Mini-Hybrid Electric Cooling Fan Systems	City of Evansville Metropolitan Evansville Transit System will purchase eleven mini-hybrid electric cooling fan systems. The retrofit cooling systems replacement will increase fuel economy	\$175,186
IN Total					\$175,186

MA	Clean Fuels	Montachusett Regional Transit Authority (North County Area)	Purchas Hybrid-Electric Buses	MART will purchase additional hybrid-electric buses to replace older buses. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$979,400
MA Total					\$979,400
MD	Clean Fuels	Maryland Department of Transportation	Purchase hybrid and CNG buses	Montgomery County, as a subrecipient of the Maryland DOT, will replace buses that are beyond their useful lives with hybrid-electric and compressed natural gas buses . In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$3,066,286
MD	TIGGER	Maryland Department of Transportation	Bus Electric Radiator Retrofit	Maryland DOT will retrofit 100 of its older buses with an innovative retrofit technology that provides the benefits of a hybrid bus at a fraction of the cost. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$1,544,580
MD Total					\$4,610,866
MI	Clean Fuels	Ann Arbor Transportation Authority	Hybrid-electric replacement buses - incremental cost of hybrid-electric drive only	This project will allow Ann Arbor Transportation Authority to fund the incremental cost of replacing diesel buses that have met their useful lives with hybrid-electric buses. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$2,079,000
MI Total					\$2,079,000
ND	Clean Fuels	City of Fargo	Replace 35-foot buses	The City of Fargo will replace 35-foot buses with hybrid vehicles. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$1,029,200
ND Total					\$1,029,200

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NJ	Clean Fuels	New Jersey Transit Corporation	Efficiency Upgrade of Compressed Natural Gas Fill Station	New Jersey Transit will use funds to complete efficiency upgrades to its CNG fill station in Howell, New Jersey.	\$1,500,000
NJ Total					\$1,500,000
NY	Clean Fuels	Capital District Transportation Authority (Albany)	Purchase Hybrid Electric Vehicles	Capital District Transportation Authority will replace buses in its fleet that have met their useful lives with hybrid-electric buses. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$2,500,000
NY	TIGGER	Rochester-Genesee Regional Transportation Authority	Boiler Replacement, Unit Heater Efficiency, HVAC Controls and Pavement Ice Control	RGRTA will use funds for the following energy-saving measures: replacement of two 35-year-old boilers in its operations building with multiple condensing-type boilers; replacement of old heaters in its service building with high-efficiency gas-fired condensing units; installation of temperature and carbon monoxide sensors and controllers in its operations and service buildings; and installation of a pavement ice control system for a concrete bus driveway to manage freezing pavement during cold months .	\$352,140
NY Total					\$2,852,140
OH	Clean Fuels	Central Ohio Transit Authority (Columbus)	McKinley Avenue CNG Fueling Station	COTA will renovate its McKinley Avenue CNG fueling station, increasing its CNG capabilities and hastening the agency's transition to CNG-fueled vehicles.	\$4,368,000
OH	Clean Fuels	Southwest Ohio Regional Transit Authority (Cincinnati)	Replace 1998 40-foot diesel buses with innovative EMP "Mini Hybrid" Buses.	SORTA will replace diesel buses in its fleet that have met their useful lives with innovative mini-hybrid buses. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$1,934,400
OH Total					\$6,302,400

OR	Clean Fuels	TriMet (Portland)	Purchase Hybrid Buses	TriMet will use funds for the incremental cost of replacing diesel buses with hybrid electric diesel buses . In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$2,500,000
OR Total					\$2,500,000
PA	Clean Fuels	Southeastern Pennsylvania Transportation Authority (Philadelphia)	SEPTA's 40-Foot Hybrid Bus Purchase Project: Incremental cost to replace 40-foot diesel buses that have exceeded their useful life with hybrid buses	SEPTA will use funds for the incremental cost of replacing diesel buses with hybrid buses . In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$5,000,000
PA	Clean Fuels	Port Authority of Allegheny County (Pittsburgh)	Port Authority of Allegheny County (PAAC) CNG Fueling Station Public-Private Partnership	PAAC will use funds to leverage private investment to construct a natural gas fueling station at its West Mifflin depot. The overall project will include a fueling station, garage modification, and the incremental cost of CNG buses. The investment in CNG operations is a critical means of enhancing the environment and improving local quality of life, while decreasing PAAC's operating costs and increasing overall economic efficiency.	\$3,070,000
PA	Clean Fuels	Lehigh and Northampton Transportation Authority	Purchase Hybrid Buses	LANTA will replace diesel powered buses with additional hybrid-electric diesel buses. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$3,000,000
PA	TIGGER	Southeastern Pennsylvania Transportation Authority (Philadelphia)	SEPTA's Market-Frankford Line: A New Model for Wayside Energy Storage	SEPTA will install a new energy storage device at high-demand substations on the same line and partner with a smart grid service provider to maximize energy savings, enable technological comparability and increase economic value.	\$1,440,000

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PA	Clean Fuels	River Valley Transit (Greater Williamsport Area)	Construction of RVT's CNG Fueling Facility and Purchase CNG Replacement Transit Vehicles	Funds will be used to complete the construction of the CNG fueling facility and the purchase of four CNG transit vehicles. This project was selected because the operating service area meets the clean fuels program's objectives.	\$3,500,000
PA	Clean Fuels	Erie Metropolitan Transit Authority	Replace diesel vehicles with CNG vehicles	Funds will be used to purchase CNG buses to replace the agency's diesel vehicles that have reached or exceeded their useful life.	\$2,000,000
PA Total					\$18,010,000
SC	TIGGER	South Carolina Department of Transportation	Seneca Energy & GHG Reduction Through Bus Electrification	Diesel buses will be replaced with 35-foot fast charge battery electric buses. Seneca's fleet is operated by Clemson Area Transit, one of the largest public fare-free transit services in the U.S., serving an estimated 2 million passengers per year.	\$4,118,000
SC Total					\$4,118,000
TN	TIGGER	Chattanooga Area Regional Transportation Authority	CARTA Wayside Inductive Power Transfer System Applied to 30-foot Electric Transit Buses	CARTA will purchase three 30-foot all electric buses equipped with a wayside inductive power transfer system which will operate in regular fixed route service with zero emissions.	\$2,502,400
TN Total					\$2,502,400
TX	Clean Fuels	City of Lubbock/Citibus	Replacement of 35' Citibus' 1996 Novabuses	The City of Lubbock/Citibus will replace buses in its fleet that have met their useful lives with hybrid-electric buses . In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$2,000,000
TX	TIGGER	City of McAllen	On-line Electric Vehicle Bus Project	The City of McAllen will use TIGGER funds to implement electric bus technology on a portion of its fixed route fleet to reduce energy consumption and greenhouse gas emissions. This project will demonstrate a cost effective means of converting the existing diesel fleet to electric vehicles as well as the overall effectiveness of using en-route charging technology to create an effective "electronic roadway."	\$1,906,908

TX	Clean Fuels	City of El Paso	Replacement of CNG Paratransit Unleaded Fuel Vehicles	The City of El Paso will replace gasoline-fueled paratransit vehicles in its fleet that have met their useful lives with vehicles powered by natural gas. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$1,500,000
TX	Clean Fuels	VIA Metropolitan Transit (San Antonio)	Purchase compressed natural gas 60-foot buses for bus rapid transit	VIA will purchase compressed natural gas buses to replace buses. This project was selected because the operating service area meets the clean fuels program's objectives.	\$3,000,000
TX Total					\$8,406,908
UT	TIGGER	Utah Transit Authority	University of Utah Campus Shuttle Electrification	The University of Utah and UTA will launch the first U.S. demonstration of Wireless Power Transfer technology, which allows vehicles to be charged from under the roadbed during the course of their daily operations.	\$2,692,000
UT Total					\$2,692,000
VA	TIGGER	Town of Blacksburg\ Blacksburg Transit	Blacksburg Transit Dynamic Bus Routing and Scheduling Study	The Town of Blacksburg will utilize TIGGER funding to implement innovative computing and communications systems that will allow dynamic scheduling and rerouting of buses to better serve the riding public while at the same time decreasing operating expenses and adverse environmental impacts. Real-time data on bus occupancy will also be used to dynamically adjust traffic signal preemption in order to further enhance system reliability and resource efficiency.	\$1,858,680
VA Total					\$1,858,680
VT	TIGGER	Vermont Agency of Transportation	STSI Transit Facility Energy-Efficient Improvements.	Stagecoach Transportation Services, Inc. seeks to reduce the energy consumption of its administrative and vehicle facilities located in Randolph, VT. Improvements in the energy efficiency of these buildings will result in financial savings that are much needed in other areas of operation.	\$95,769

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VT Total					\$95,769
WA	TIGGER	Chelan - Douglas Public Transportation Benefit Area	Link Transit- Five 100% Battery Electric Transit Vehicles and Associated Charging Stations	Link Transit will purchase five new battery electric transit vehicles and three new fast-charge stations that will expand its existing all-electric fleet in the Wenatchee and East Wenatchee area.	\$2,500,000
WA	TIGGER	Sound Transit (Seattle)	Central Link Light Rail On-board energy storage	Sound Transit will design, procure and install energy storage units to capture unused energy generated by braking and storing that energy to power trains. The units will be installed on as many as five light rail vehicles.	\$1,583,085
WA	Clean Fuels	Intercity Transit (Thurston County)	Purchase Hybrid BioDiesel-Electric Replacement Buses	Intercity Transit will purchase hybrid biodiesel buses to replace diesel buses in its fleet. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$1,500,000
WA	Clean Fuels	City of Longview	Purchase 35-foot clean fuel biodiesel buses	The Cowlitz Transit Authority (CTA) will use funds to purchase 35-foot clean fuel biodiesel buses to replace diesel buses in its fleet. In addition to fuel efficiency gains from this project, the operating service area will benefit from a reduction in transportation-related pollutants.	\$1,120,500
WA	Clean Fuels	Stillaguamish Tribe of Indians	Purchase additional hybrid sedans	The Stillaguamish Tribe Transit Services (STTS) will use funds toward the purchase of additional hybrid sedans to expand its rideshare program.	\$69,720
WA Total					\$6,773,305
Grand Total					112702312.3