

## New Technology Implementation Grant Program (NTIG)

### Project List<sup>1</sup> FY2015 Through FY2024

Project ID	Grantee	Project Category	Project Description	Location	County	Total Grant Amount
582-15-53907-1471	Southwest Research Institute	New Technology	This project includes the installation of a stainless-steel baghouse equipped with a combined Activated Carbon Injection (ACI) and Dry Sorbent Injection (DSI) system, providing service to three contiguous buildings. The goal of the emission reduction project is to capture and control emissions of particulate matter, as well as hazardous and toxic air pollutants. Emissions are trapped in a common centralized Pollution Abatement System and treated.	San Antonio, TX	Bexar	\$500,000
582-15-53908-1471	NRG Texas Power, LLC	Electricity Storage	This project has an integrated Lithium-ion (li-ion) battery system providing two megawatts (MW) of electric output of energy from wind and other renewable power. Wind energy captured by the Elbow Creek wind farm and other renewable resources are stored and delivered via the ERCOT system to the Energy Storage System and then in turn delivered back to the electric grid.	Big Spring, TX	Howard	\$924,078
582-15-54066-1471	Austin Energy	Electricity Storage	This project includes a 2.6 MW solar PV facility adjacent to their established utility-scale Energy Storage System (ESS) that has an integrated lithium-ion (li-ion) battery system, providing 1.5 megawatts (MW) of electric output and storing up to 3.0 megawatt-hours (MWh) of energy. Both facilities will reduce demand during periods of peak energy use.	Austin, TX	Travis	\$1,000,000
582-17-70806-2569	CPS Energy	Electricity Storage	This project has a 10-megawatt (MW) / 10-megawatt hour (MWh) lithium-ion battery energy storage system (BESS). The BESS is collocated with a 5 MW utility-scale solar photovoltaic (PV) facility located in San Antonio. Solar energy that is captured by the PV facility is stored by the BESS and delivered back to the electric grid. The project reduces emissions by using renewable energy during energy use. The project also reduces emissions by regulating energy frequency going to the Electric Reliability Council of Texas (ERCOT) grid.	San Antonio, TX	Bexar	\$3,000,000

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582-17-72096-2569	Pedernales Electric Cooperative, Inc.	Electricity Storage	This project integrated a 2 MW / 4 MWh lithium-ion battery energy storage system (BESS) for the newly installed Johnson City solar Photovoltaic array. Solar energy is stored in the batteries and then discharged/shifted to provide predictable and reliable energy during peak load demand times.	Johnson City, TX	Blanco	\$1,464,707
582-18-84517-1126	Vistra Energy Corp.	Electricity Storage	This project installed a BESS to their existing solar facility. The BESS captured excess solar during the day and then discharged during the evening.	McCamey, TX	Upton	\$1,000,000
582-19-96631-0402	The University of Texas at Arlington	New Technology	This project is to retrofit two natural gas boilers that produce steam for heating and process loads. The retrofitted boilers have burner management and combustion controls to increase efficiency and reduce NO <sub>x</sub> emissions.	Arlington, TX	Tarrant	\$74,585
582-21-23792-NG	ENSTOR Katy Transportation and Storage, LP	Oil and Gas	This project will replace eight lean-burn natural gas engine drivers used in natural gas storage compression service with eight remanufactured, more efficient, lower emission engines to reduce NO <sub>x</sub> , VOC, and particulate matter emissions. The project also involves installation of a new three-way catalyst to reduce NO <sub>x</sub> , VOC, and PM emissions.	Katy, TX	Fort Bend	\$2,631,091
582-21-23793-NG	Nelson Gardens Energy, LLC	Electricity Storage	This project is to design and install a hybrid system of landfill gas-to-energy, solar energy, and flow battery storage on a closed landfill. It will integrate 5.81 MW DC solar generation with 13 vanadium flow batteries (78 kW each) totaling approximately 1.014 MW.	San Antonio, TX	Bexar	\$2,011,101
582-23-45836-NG	Maverick Natural Resources, LLC.	Oil and Gas	The project is to electrify actuating valves on 423 wellheads and reduce the pollutants from facilities and other stationary sources in Texas. This project will reduce emissions and eliminate over-ranging by replacing existing valves with an electric valve and actuator, powered by solar energy. Implementing this project will reduce VOCs and H <sub>2</sub> S.	Tyler-Longview TX	Gregg, Upshur, Smith, Cherokee, Harrison	\$1,987,851
582-23-45837-NG	Oxy USA Inc.	Oil and Gas	This project is to replace two gas-engine-driven reciprocating compressors with two 1500 HP electric motor-driven reciprocating compressors and to install a new relief header, which will tie into the existing flare system. Also, the project is to supplement an existing gas-fired line heater with a shell and tube heat exchanger. The project will reduce hydrocarbon, hazardous air pollutants, and CO <sub>2</sub> emissions.	Midland, TX	Midland	\$1,260,184

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582-23-45838-NG	Farmers Electric Cooperative, Inc.	Electricity Storage	This project will provide a source of non-dispatchable power via an up to 2 MW capacity (AC) photovoltaic (PV) solar array and a dispatchable 1 MW capacity battery energy storage solution (BESS) to increase capacity during moderate to high power requirement periods.	Dallas-Fort Worth, TX	Collin	\$2,273,452
582-23-45839-NG	PwrPac, LLC	Electricity Storage	This project contains a Li-Ion BESS with a solar array with 1.05 MW power capacity. The system will be maintained for a minimum period of 7 years and is primarily intended to help the Texas Electric Grid with resilience and support in times of load shedding or peak loads.	Midland, TX	Midland	\$590,000
582-23-45840-NG	CR Permian Processing, LLC.	Oil and Gas	This project is to replace a 4,735 horsepower (HP) lean-burn natural gas compressor with a 5,000 HP electric compressor. The project will reduce NO <sub>x</sub> , VOC, PM, SO <sub>2</sub> , CO, HCHO, and GHG.	Reeves, TX	Reeves	\$644,977
582-23-45841-NG	Colt Midstream, LLC	Oil and Gas	This project will repower two natural gas compressors with new natural gas compressors. The project will reduce NO <sub>x</sub> and formaldehydes.	Erath, TX	Erath	\$1,230,027
582-23-45842-NG	Colt Midstream, LLC	Oil and Gas	This project is to repower two in-service compressors, replacing two of the engines with modern S5 engines, which will result in NO <sub>x</sub> and formaldehyde reduction.	Eastland, TX	Eastland	\$401,792
582-23-45844-NG	Unbridled Resources, LLC	Oil and Gas	This project is to electrify actuating valves powered by solar energy on 264 wellheads. As a result, the project will eliminate emissions of VOCs and H <sub>2</sub> S from these well locations.	Hemphill, Wheeler, Roberts, Ochiltree, Lipscomb, and Hansford, TX	Hemphill, Wheeler, Roberts, Ochiltree, Lipscomb, and Hansford	\$1,254,755
<b>Total</b>						<b>\$22,248,600</b>

<sup>1</sup>Does not include projects funded and subsequently canceled.