



RECOVERY ACT SELECTIONS FOR SMART GRID INVESTMENT GRANT AWARDS IN PJM FOOTPRINT – AS OF OCTOBER 27, 2009

HQ State	HQ City	Name of Awardee	Brief Project Description	Recovery Act Funding	Total Project Value Including Cost Share	Map of Project Coverage Area
Illinois	Naperville	City of Naperville, Illinois	Deploy more than 57,000 smart meters and install the infrastructure and software necessary to support and integrate various smart grid functions and the two-way flow of information between the utility and customers.	\$10,994,000	\$21,988,000	http://www.energy.gov/recovery/smartgrid_maps/CityofNaperville.JPG
Maryland	Baltimore	Baltimore Gas and Electric Company	Deploy a smart meter network and advanced customer control system for 1.1 million residential customers that will enable dynamic electricity pricing. Expand the utility's direct load control program, which will enhance grid reliability and reduce congestion.	\$200,000,000	\$451,814,234	http://www.energy.gov/recovery/smartgrid_maps/BaltimoreGasElectric.JPG
New Jersey	Mays Landing	Atlantic City Electric Company	Deploy 25,000 direct load control devices, intelligent grid sensors, automation technology, and communications infrastructure to enhance grid reliability, optimize the grid's operations, and empower consumers to better manage and control their energy usage. Will also benefit customers in DC and MD.	\$18,700,000	\$37,400,000	http://www.energy.gov/recovery/smartgrid_maps/AtlanticCityElectric.JPG
North Carolina	Charlotte	Duke Energy Business Services LLC	Comprehensive grid modernization for Duke Energy's Midwest electric system encompassing Ohio, Indiana, and Kentucky. Includes installing open, interoperable, two-way communications networks, deploying smart meters for 1.4 million customers, automating advanced distribution applications, developing dynamic pricing programs, and supporting the deployment of plug-in electric vehicles. Will also benefit customers in IN and OH.	\$200,000,000	\$851,700,000	http://www.energy.gov/recovery/smartgrid_maps/DukeEnergyBusinessServices.JPG

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	Charlotte	Duke Energy Carolinas, LLC	Install 45 phasor measurement units in substations across the Carolinas and upgrade communications infrastructure and technology at the corporate control center.	\$3,927,899	\$7,855,797	http://www.energy.gov/recovery/smartgrid_maps/DukeEnergyCarolinas.JPG
Ohio	Akron	FirstEnergy Service Company	Modernize the electrical grid and reduce peak energy demand by leveraging the crosscutting nature of different smart grid technologies, including significant communication and information management systems, deploying a smart meter network and automating the distribution system. Will also benefit customers in PA.	\$57,470,137	\$114,940,273	http://www.energy.gov/recovery/smartgrid_maps/FirstEnergy.JPG
Pennsylvania	Philadelphia	PECO Energy Company	Deploy smart meters to all 600,000 customers, upgrade communication infrastructure to support a smart meter network, install 7 "intelligent" substations, and accelerate deployment of more reliable and secure smart grid technologies that will reduce peak energy load and increase cost savings.	\$200,000,000	\$422,570,000	http://www.energy.gov/recovery/smartgrid_maps/PECOEnergy.JPG
	Allentown	PPL Electric Utilities Corp.	Deploy a distribution management system and smart grid technologies to monitor and control the grid in real-time, improve system reliability and energy resource optimization, and provide the infrastructure for distributed generation and broader energy efficiency efforts.	\$19,054,516	\$38,109,032	http://www.energy.gov/recovery/smartgrid_maps/PPL.JPG
	Norristown	PJM Interconnection, LLC	Deploy over 90 phasor measurement units and other digital monitoring and analysis technologies across 10 states that will provide real-time data on the operating conditions of the transmission system, improving reliability and reducing congestion. Will also benefit customers in IL, IN, KY, MD, MI, NC, NJ, OH, PA, VI, and WV.	\$13,698,091	\$27,840,072	http://www.energy.gov/recovery/smartgrid_maps/PJM.JPG

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	Wellsboro	Wellsboro Electric Company	Implement the "Smart Choices" project, which will deploy smart meter network systems throughout the utility's service territory.	\$431,625	\$961,195	http://www.energy.gov/recovery/smartgrid_maps/WellsboroElectric.JPG
Virginia	Manassas	Northern Virginia Electric Cooperative	Expand substation and distribution automation and control, including adding a new two-way communication infrastructure to the existing fiber optic and microwave communications, which will improve system reliability and reduce peak demand.	\$5,000,000	\$10,000,000	http://www.energy.gov/recovery/smartgrid_maps/NorthernVirginia.JPG
Washington DC	Washington DC	Potomac Electric Power Company (PEPCO)	In the Maryland service area, install 570,000 smart meters with network interface; institute dynamic pricing programs, and deploy distribution automation and communication infrastructure technology to enhance grid operations.	\$104,800,000	\$209,600,000	http://www.energy.gov/recovery/smartgrid_maps/PEPCO MD.JPG
	Washington DC	Potomac Electric Power Company (PEPCO)	Install 280,000 smart meters equipped with the network interface, institute dynamic pricing programs, and deploy distribution automation and communication infrastructure technology to reduce peak load demand and improve grid efficiency. Will also benefit customers in MD.	\$44,600,000	\$89,200,000	http://www.energy.gov/recovery/smartgrid_maps/PEPCO DC.JPG

A total of \$879 million in Department of Energy (DOE) dollars has been allotted to Smart Grid projects in the PJM footprint.

The total investment in Smart Grid projects in the PJM territory, including the companies' shares, will be more than \$2.2 billion.