

EEI Member ARRA Awards

	A	B	C	D	E	F
1	Holding Company	Operating Company	ARRA Program	Award (\$)	\$ Spent as of 1/7/2011	Description
2	AES Corp.	Indianapolis Power & Light Co.	Smart Grid Investment Grant	\$20,000,000	\$5,129,958	Install 28,000 smart meters and enable 2-way communications.
3	Allete, Inc.	Minnesota Power Co.	Smart Grid Investment Grant	\$1,544,004	\$503,668	Expand smart meter network by additional 8,000 smart meters and new measurement and automatio equipment. Begin dynamic pricing program.
4		Wisconsin Power & Light Co.	Smart Grid Investment Grant	\$3,165,704	\$166,555	Implement power factor management system to minimize overload on distribution lines, transformers and feeder segments.
5	American Electric Power Co., Inc.	AEP-Ohio	Smart Grid Demonstrations	\$75,660,317	\$13,966,496	gridSmart Project - to demonstrate a secure, interoperable, integrated smart grid for 110,000 customers., incorporating 13 different technologies from substation to customer.
6	American Transmission Co., LLC	American Transmission Co. LLC	Smart Grid Investment Grant	\$12,775,005	\$253,606	Build fiber optics communications network for high-speed communications to maximize capability of phasor measurement networks. Install 3-5 phasor measurement units to improving monitoring and reduce congestion.
7	Avista Corp.	Avista Utilities	Smart Grid Investment Grant	\$20,000,000	\$6,863,675	Implement distribution management system, intelligent end devices, and a communications network.

8	Black Hills Corp.	Black Hills Power Inc.	Smart Grid Investment Grant	\$9,576,628	\$3,438,306	Install 69,000 smart meters and communications infrastructure, IT software, and equipment.
9	Black Hills Corp.	Cheyenne Light, Fuel, and Power Co.	Smart Grid Investment Grant	\$5,033,441	\$2,754,167	Install 38,000 smart meters and communications infrastructure to make use of dynamic pricing.
10	Black Hills Corp.	Colorado Electric Utility Co.	Smart Grid Investment Grant	\$6,142,854	\$3,481,828	Install 42,000 smart meters and communications infrastructure and pilot a dynamic pricing program.
11	CenterPoint Energy, Inc.	CenterPoint Energy, Inc.	Smart Grid Investment Grant	\$200,000,000	\$90,400,376	Install 2.2 million smart meters and 550 sensors and automated switches to strengthen reliability and self-healing properties of the grid.
12	Cleco Corp.	Cleco Power LLC	Smart Grid Investment Grant	\$20,000,000	\$727,510	Install 275,000 smart meters to enable customer interaction and distribution automation.
13	Consolidated Edison, Inc.	Consolidated Edison Co. of New York, Inc.	Smart Grid Demonstrations	\$45,388,291	\$4,869,479	Demonstrate a scalable, cost-effective, smart grid prototype that promotes cyber security, reduces peak energy use, and increases reliability and energy efficiency.
14	Consolidated Edison, Inc.	Consolidated Edison Co. of New York, Inc.	Smart Grid Demonstrations	\$5,631,000	\$193,561	Demonstrate Interoperability and demand response
15	Consolidated Edison, Inc.	Consolidated Edison Co. of New York, Inc.	Smart Grid Investment Grant	\$136,170,899	\$22,370,558	Deploy automation, monitoring, and 2-way communications to enable more energy efficiency and integration of renewables and energy efficiency.
16	Constellation Energy Group, Inc.	Baltimore Gas & Electric Co.	Smart Grid Investment Grant	\$200,000,000	\$54,749,404	Deploy smart meter network for 1.1 million customers to enable dynamic pricing.
17	DTE Energy Co.	Detroit Edison Co.	Smart Grid Demonstrations - Storage	\$4,995,271	\$ -	A123s Community Energy Storage Systems - test ability to integrate secondary use electric vehicle batteries.

18	DTE Energy Co.	Detroit Edison Co.	Smart Grid Investment Grant	\$83,828,878	\$7,249,931	SmartCurrents Program - deploy 660,000 meters implement Smart Home program incl. dynamic pricing to 5,000 customers and smart appliances to 300 customers, and Smart Circuit to improve distribution operations.
19	Duke Energy Corp.	Duke Energy Business Services, LLC	Smart Grid Demonstrations - Storage	\$21,806,332	\$ -	Notrees Wind Storage - demonstrate 20 MW hybrid energy storage system to help wind power systems address intermittency.
20	Duke Energy Corp.	Duke Energy Business Services, LLC	Smart Grid Investment Grant	\$200,000,000	\$25,071,681	Comprehensive grid modernization effort will install open, interoperable, 2-way communications networks, 1.4 million smart meters, advanced distribution technologies, dynamic pricing, and support integration of PHEVs.
21	Duke Energy Corp.	Duke Energy Carolinas, LLC	Smart Grid Investment Grant	\$3,927,899	\$529,873	Install 45 phasor measurement units and upgrade communications infrastructure and technology at the corporate control center.
22	Edison International	Southern California Edison Co.	Smart Grid Demonstrations	\$39,621,208	\$ -	Irvine Smart Grid Demonstration - demonstrate end-to-end smart grid system, focusing on interoperability and interactions between technologies and systems.
23	Edison International	Southern California Edison Co.	Smart Grid Demonstrations - Storage	\$24,978,264	\$ -	Tehachapi Wind Energy Storage Project - deploy 8 MW lithium ion battery storage technology to aid with wind integration.
24	El Paso Electric Co.	El Paso Electric Co.	Smart Grid Investment Grant	\$1,014,414	\$310,801	Install distribution automation to increase monitoring and control and improve power restoration during emergencies.

25	Iberdrola USA	Central Maine Power Co.	Smart Grid Investment Grant	\$95,900,000	\$19,436,168	Install 650,000 smart meters.
26	Iberdrola USA	New York State Electric & Gas Corporation	Smart Grid Demonstrations - Storage	\$29,561,142	\$ -	Energy East Advanced CAES Demonstration Plant (150 MW) using an existing salt storage cavern.
27	Energy Future Holdings Corp.	Oncor Electric Deliver Compnay, LLC	Smart Grid Demonstrations	\$3,471,681	\$212,283	Dynamic Line Rating Project demonstrate monitoring technology to reduce congestion and increase capacity of transmission lines.
28	Entergy Corp.	Entergy New Orleans, Inc.	Smart Grid Investment Grant	\$5,000,000	\$ -	Install 11,000 smart meters and in-home display devices, coupled with dynamic pricing.
29	Entergy Corp.	Entergy Services, Inc.	Smart Grid Investment Grant	\$4,611,201	\$1,203,170	Install 18 new phasor measurement units and training and education for grid operators and engineers.
30	Exelon Corp.	Commonwealth Edison Co.	High Penetration Solar Deployment	\$5,000,000	\$41,001	Model, test, and evaluate the impact of large amounts of PV electricity on the reliability of the grid.
31	Exelon Corp.	PECO Energy Co.	Smart Grid Investment Grant	\$200,000,000	\$ -	Deploy 600,000 smart meters, upgrade communications infrastructure , install 7 intelligent substations, accelerate deployment of technologies to reduce peak load.
32	FirstEnergy Corp.	First Energy Service Company	Smart Grid Investment Grant	\$57,470,137	\$6,549,745	Modernize grid and reduce peak demand by leveraging crosscutting nature of technologies, including communications and information management systems, smart meter network, and automated distribution.
33	FPL Group, Inc.	Florida Power & Light Co.	Smart Grid Investment Grant	\$200,000,000	\$101,846,973	Energy Smart Florida - install 2.6 million smart meters, 9,000 intelligent distribution devices, 45 phasors, and advanced monitoring equipment.

34	Great Plains Energy, Inc.	Kansas City Power & Light	Smart Grid Demonstrations	\$23,940,112	\$2,163,519	Green Impact Zone Smart Grid Demonstration - demonstrate end-to-end smart grid to include advanced renewable generation, storage, distribution automation, and in-home systems.
35	Hawaiian Electric Industries, Inc.	Hawaii Electric Co. Inc.	Smart Grid Investment Grant	\$5,347,598	\$61,977	Automate high load distribution circuits, reducing outage duration and community impacts. Workforce retraining and cross-training.
36	IDACORP, Inc.	Idaho Power Company	Smart Grid Investment Grant	\$47,000,000	\$17,530,762	Deploy 475,000 smart meters and implement outage management system and irrigation load control program.
37	MGE Energy, Inc.	Madison Gas & Electric Co.	Smart Grid Investment Grant	\$5,550,941	\$1,248,812	Install 1,750 smart meters, automate distribution, install 12 public charging stations and 25 in-home vehicle charging management systems for PHEVs.
38	NSTAR	NSTAR Electric & Gas Corp.	Smart Grid Demonstrations	\$7,629,592	\$ -	Urban Grid Monitoring & Renewables Integration - demonstrate advanced sensors and monitoring instrumentation. Automated Meter Reading-Based Dynamic Pricing - pilot program to examine technologies to leverage existing home meters to include dynamic pricing . Focus on collecting data at short intervals, communicating to customers, load control, etc.
39	NSTAR	NSTAR Electric Company	Smart Grid Investment Grant	\$10,061,883	\$2,528,917	Expand distribution automation capabilities by implementing self-healing functions to reduce outages.

40	NV Energy, Inc.	NV Energy	Smart Grid Investment Grant	\$138,877,906	\$14,058,696	Integrate smart grid technologies including dynamic pricing, customer communications, in-home networks, grid monitoring, distribution automation, distributed renewables, and electric vehicles. Install 1.3 million smart meters.
41	OGE Energy Corp.	Oklahoma Gas & Electric Co.	Smart Grid Investment Grant	\$130,000,000	\$28,556,109	Deploy 771,000 smart meters, combining in-home technology with dynamic pricing. Implement advanced distribution automation technologies to facilitate self-healing and power restoration.
42	Pepco Holdings, Inc.	Atlantic City Electric Co.	Smart Grid Investment Grant	\$18,700,000	\$2,209,034	Deploy 25,000 direct load control devices, sensors, automation technology and communications infrastructure.
43	Pepco Holdings, Inc.	Potomac Electric Power Co.	Smart Grid Investment Grant	\$104,800,000	\$8,232,959	Install 570,000 smart meters with network interface, institute dynamic pricing, deploy distribution automation and communications infrastructure.
44	Pepco Holdings, Inc.	Potomac Electric Power Co.	Smart Grid Investment Grant	\$44,580,549	\$6,304,422	Install 280,000 smart meters with network interface, institute dynamic pricing, deploy distribution automation and communications infrastructure.
45	PG&E Corp.	Pacific Gas and Electric Co.	Smart Grid Demonstrations - Storage	\$25,000,000	\$ -	Build and design an advanced, underground, 300 MW compressed air energy storage plant using a saline porous rock formation.
46	Pinnacle West Capital Corp.	Arizona Public Service Co.	High Penetration Solar Deployment	\$599,994	\$314,388	Model, test, and evaluate the impact of large amounts of PV electricity on the reliability of the grid.

47	PNM Resources, Inc.	Public Service Co. of New Mexico	Smart Grid Demonstrations - Storage	\$2,305,931	\$372,291	Demonstrate how a 2.8 MWh Zinc-Bromide flow battery and control system turn a 500 KW solar PV installation into a reliable, dispatchable generation resource.
48	PPL Corp.	PPL Electric Utilities Corp.	Smart Grid Investment Grant	\$19,054,516	\$5,495,179	Deploy distribution management system and smart grid technologies to monitor and control the grid in real-time, improve reliability and resource optimization, and enable distributed generation and energy efficiency efforts.
49	Progress Energy, Inc.	Progress Energy Service Company, LLC	Smart Grid Investment Grant	\$200,000,000	\$33,542,934	Build a green smart grid virtual power plant through conservation, efficiency, and advanced load shaping technologies, will install 160,000 meters.
50	Southern Co.	Southern Company Services	Smart Grid Investment Grant	\$164,527,160	\$12,264,815	Deploy 5 integrated systems that enhance energy efficiency, cyber security, distribution and transmission automation, and smart power substations.
51	Vermont Electric Power Co.	Vermont Tranco, LLC	Smart Grid Investment Grant	\$68,928,650	\$5,732,300	Deploy 272,000 smart meters, implement in-home displays and digitally controlled appliances, secure control systems, and automated distribution and transmission.
52	Westar Energy, Inc.	Westar Energy, Inc.	Smart Grid Investment Grant	\$19,041,565	\$3,475,300	Deploy 48,000 smart meters, distribution automation equipment, smart grid management software, and web-based customer engagement tools.

53	American Electric Power Co., Inc.	Appalachian Power Company	Clean Coal Power Initiative Round III	\$146,493,396	\$6,169,392	Design, construct and operate a chilled ammonia process expected to capture at least 90% of the CO2 in a 235 MW flue gas stream at the existing 1,300 megawatt Mountaineer Power Plant in WV.
54	Pepco Holdings, Inc.	Pepco Holdings, Inc.	Workforce Training for the Electric Power Sector	\$4,376,050	\$ -	To ensure a highly skilled workforce, 700 new and existing employees will receive training to fill new smart grid roles.
55	FPL Group, Inc.	Florida Power & Light Co.	Workforce Training for the Electric Power Sector	\$5,000,000	\$214,293	Bring industry and academia together to design and execute workforces training initiatives.
56	National Grid USA	National Grid USA	Workforce Training for the Electric Power Sector	\$2,185,495	\$ -	Develop and deliver materials to train the utility workforce in smart grid technology deployment and operations and broadly disseminate best practices.
57	Ameren Corp.	Ameren Services Company	Workforce Training for the Electric Power Sector	\$4,589,695	\$ -	The project supports training in advanced data management system, new GIS functionality, and other smart devices for the electric distribution system.
58	Southern Co.	Mississippi Power Co.	Workforce Training for the Electric Power Sector	\$2,611,049	?	Develop new instructional program that incorporates state-of-the-art smart grid technology. Provides classroom and hands-on training.
59	Duke Energy Corp.	Duke Energy Business Services, LLC	Workforce Training for the Electric Power Sector	\$3,490,041	\$ -	Train the smart grid workforce that will plan, design, build, operate, and sustain Duke's Midwest electric systems and related "beyond the meter" products and services.

60	Consolidated Edison, Inc.	Consolidated Edison Co. of New York, Inc.	Workforce Training for the Electric Power Sector	\$236,675	\$ -	Utilize the company's state-of-the-art training facility to employ training modules, simulations, and qualification for advanced operations at 4 control centers within the service territory.
61	Energy Future Holdings Corp.	Oncor Electric Deliver Compnay, LLC	Workforce Training for the Electric Power Sector	\$188,748	\$188,748	Prepare Oncor's system planners and system protection engineers to achieve a smart grid that effectively incorporates increased renewable energy.
62	Pinnacle West Capital Corp.	Arizona Public Service Co.	Industrial Carbon Capture and Storage Applications	\$3,500,000	\$380,163	
63	Edison International	Southern California Edison	Concentrating Solar Power	\$1,933,011	\$1,933,011	
64						
65	TOTAL			\$2,952,825,127	\$523,365,783	
66						
67	Percentage Spent of Total Awarded				18%	
68						

DOE ARRA Spending To Date

	A	B	C	D	E
1		Authorized (\$k)	Awarded (\$k)	Outlaid (\$k)	% Outlaid of Awarded
2	DOE Total	\$32,739,999	\$32,654,049	\$10,675,447	33%
3	Offic of Electricity Delivery & Energy Reliability	\$4,487,616	\$4,487,615	\$752,953	17%
4	Smart Grid Investment Grants (SGIG)	\$3,482,831	\$3,482,831	\$650,329	19%
5	Smart Grid Regional Storage & Demonstration Projects (SGD)	\$684,829	\$684,829	\$57,273	8%
6	Smart Grid Workforce Development	\$100,000	\$100,000	\$3,679	4%
9					
10	* Data as of 1/7/2011				