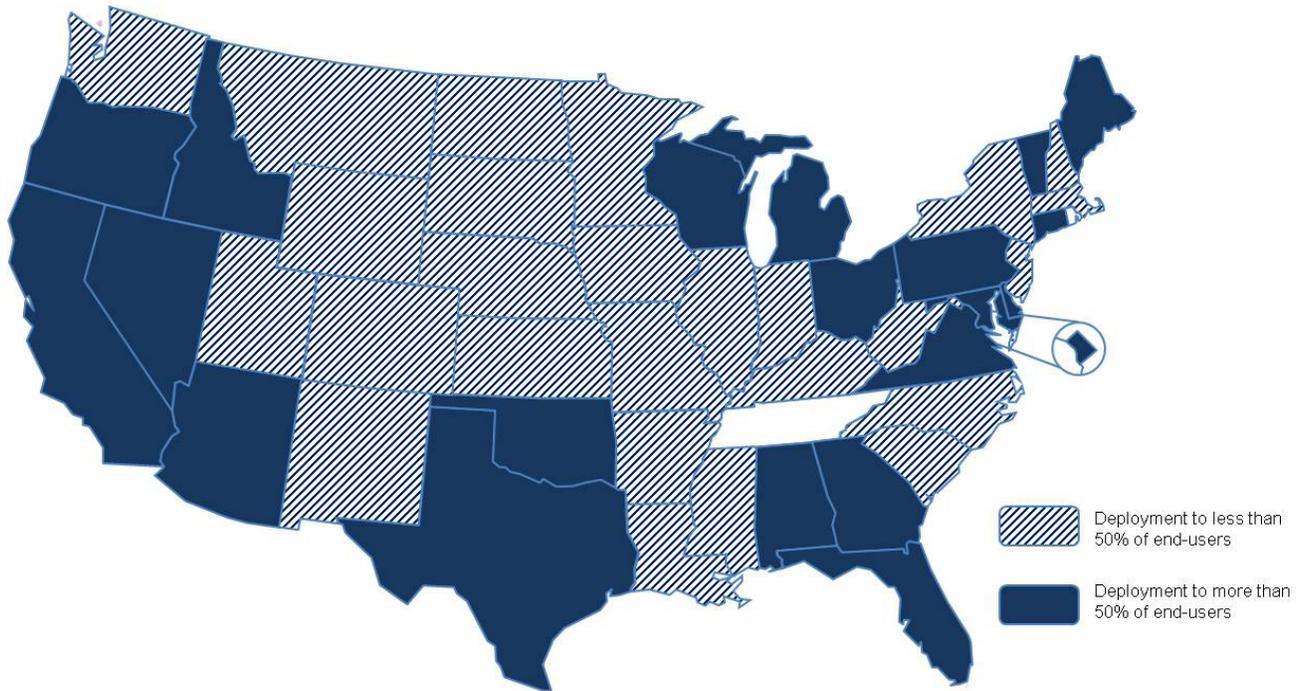


## Utility-Scale Smart Meter Deployments, Plans & Proposals

September 2011



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This map and table summarize current smart meter installations, as well as planned deployments and proposals, by investor-owned utilities, large public power utilities, and some rural electric cooperatives. IEE estimates that approximately 65 million smart meters will be deployed by 2015, representing 54% of U.S. households. As of September 2011, 27 million smart meters have been installed.

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
AEP <sup>1</sup>	Total	512,700	5,200,000	AEP plans to deploy smart meters to 5.2M customers served by their operating companies. To-date, AEP's Indiana Michigan Power (I&M) subsidiary has deployed 9,800 meters to customers in South Bend, IN; AEP Ohio has deployed 131,900 in the Columbus OH area; AEP Texas has deployed 357,000 meters and will deploy 924,000 meters by 2013; and AEP's Public Service Company of Oklahoma (PSO) has deployed 14,000 meters in Owasso, OK. Timing for the remaining deployments will depend on specific conditions in each of the seven operating company subsidiaries.	AEP Corporate Sustainability Report 2009 <sup>2</sup> ; AEPOhio.com <sup>3</sup> ; AEP.com <sup>4</sup> ; Email correspondence with AEP (August 2011)
	IN				
	KY				
	MI				
	OH				
	OK				
	TX				
	VA				
WV					

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>Allegheny Power</b>	Total MD PA WV	1,140	725,000	Allegheny launched pilots in Morgantown, WV and Urbana, MD to test smart meters and thermostats (1,140 meters installed). Further deployment in WV and MD have yet to be determined. In PA, Act 129 (2008) requires electric distribution companies with more than 100,000 customers to file a smart meter technology procurement and installation plan for Commission approval. Allegheny's plan was rejected in October 2009 and a revised smart meter plan is currently being considered.	Allegheny Power 2008 Annual Report <sup>5</sup> ; MD H.B. 1072; PA Implementation Order & Tentative Order, June 2009 (Docket M-2009-2092655)
<b>Allete (d/b/a Minnesota Power)</b>	Total MN	5,700	8,000	Allete plans to invest \$3M and deploy 8,000 smart meters in northeast Minnesota. The utility also intends to purchase automation equipment and begin a dynamic pricing program. \$1.5M of the project cost is covered by federal funds.	Minnesota St. Paul Business Journal <sup>6</sup> ; EIA Form 826--Advanced Metering Spreadsheets
<b>Alliant Energy</b>	Total WI	460,000	460,000	Deployment began in WI in 2008, and was completed in 2010, with 460,000 meters installed. Additional deployment of 530,000 meters in IA and MN is on indefinite hold.	emeter.com <sup>7</sup> ; September 2011 email correspondence
<b>Austin Energy</b>	Total TX	410,000	410,000	Austin Energy's smart meter program was approved in 2008, full deployment was achieved in 2009.	greentechgrid.com <sup>9</sup> ; LPPC Survey
<b>Avista Utilities</b>	Total ID WA	13,400	13,400	Avista has installed 13,400 smart meters in Pullman, WA as part of a 5-state demonstration project leveraging DOE SGDG funds. Starting September 2011, AMI data will be used for billing purposes.	allbusiness.com <sup>10</sup> ; Email correspondence with Avista's SmartGrid Project Director
<b>Arizona Public Service</b>	Total AZ	650,000	1,100,000	APS expects completion of their smart meter investments in 2012. Currently, APS has over 650,000 meters installed with plans to have 750,000 installed by the end of 2011 and full deployment of 1.1M meters by 2015.	APS news release <sup>11</sup> ; Arizona Department of Commerce <sup>12</sup> ;
<b>Baltimore Gas &amp; Electric</b>	Total MD	3,000	1,360,000	BG&E piloted 3,000 smart meters in 2008 and was awarded \$200M in SGIG funds to support a full deployment. The utility will begin deploying smart meters in 2012 with full deployment of 1.36M meters by 2014. Installation cost reimbursement will not occur until 2014, pending commission approval.	Constellation (BG&E) press release <sup>13</sup> ; Baltimore Sun <sup>14</sup>
<b>Bangor Hydro-Electric</b>	Total ME	113,500	113,500	Bangor Hydro Electric has fully deployed 113,500 smart meters in its service territory.	www.bhe.com <sup>15</sup> ; Email correspondence (04/17/09)
<b>Black Hills Energy</b>	Total CO	93,300	93,300	Black Hills Energy has installed 93,300 smart meters and is now testing direct load control and peak time rebate offers with their residential customers. The utility received \$6.1M in SGIG funds (\$12.2M total project value).	Black Hills Energy <sup>16</sup>

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>Black Hills Power</b>	Total SD WY	69,000	69,000	Black Hills Power has installed 69,000 smart meters. The utility was awarded \$9.6M in SGIG matching funds to install smart meters, upgrade information communication technology infrastructure, and other equipment.	smartgrid.tcmnet.com <sup>17</sup>
<b>CenterPoint</b>	Total TX	1,645,700	2,200,000	As of August 31, 2011, CenterPoint had installed 1,562,700 smart meters with full deployment of 2.2M meters to occur by the end of 2012. CenterPoint received approval in 2008 to install an advanced metering system across its service territory, and was awarded \$150M in SGIG funds (\$639M total project value).	PUCT Project 36699 <sup>18</sup>
<b>Central Maine Power Company</b>	Total ME	300,000	650,000	Central Maine Power Company has installed half of its 600,000 smart meter network. Full deployment is scheduled for 2012. The utility was awarded \$96M in SGIG funds (\$192M total project value).	Bangor Daily News <sup>19</sup> ; Central Maine Power Company press release <sup>20</sup>
<b>Cheyenne Light, Fuel &amp; Power</b>	Total WY	38,500	38,500	Cheyenne Light, Fuel & Power completed a 38,500 smart meter installation in Cheyenne, WY in 2011. The utility was awarded \$5M in SGIG funding.	Cheyenne Light, Fuel & Power <sup>21</sup>
<b>Cleco Power</b>	Total LA		277,000	Cleco Power intends to begin installing 277,000 smart meters mid-2012 with full deployment scheduled to be complete mid-2013. \$20M in SGIG funds (\$72.9M total project value) was awarded to the utility.	newsbanner.com <sup>22</sup> ;
<b>Commonwealth Edison</b>	Total IL	110,000	110,000	ComEd is running a pilot in the greater Chicago area with 110,000 smart meters installed in homes. An 8,000 household subgroup is testing different dynamic pricing, in-home display, and web-portal-based information options.	ComEd website <sup>23</sup> ; August 2011 email correspondence
<b>Connecticut Light &amp; Power</b>	Total CT	1,500	1,200,000	CL&P ran a 1,500 smart meter pilot in Summer 2009 and has filed plans to deploy smart meters to all 1.2M customers between 2012 and 2016. In its proposed offerings, CL&P customers can select different dynamic pricing structures: TOU and CPP rates for all customers, and PTR for low income customers only. Full deployment is dependent on the completion of AMI standards and subsequent vendor selection.	CL&P website <sup>24</sup> ; Docket No. 05-10-03RE01
<b>Consolidated Edison</b>	Total NY		1,500	Con Edison is piloting a \$6M smart grid program in northwest Queens. 300 eligible customers will test in-home displays that monitor energy usage by appliance.	Con Ed press release <sup>25</sup>
<b>Consumers Energy</b>	Total MI	6,500	1,800,000	In November 2008 Consumers signed an agreement with IBM to help plan, deploy, and test an AMI and field pilot network. By 2019 the utility anticipates converting its 1.8M electric customers to smart technology.	smartgridnews.com <sup>26</sup> ; Email correspondence with Smart Grid Communications Coordinator
<b>CPS Energy</b>	Total TX	35,000	700,000	CPS intends to install a smart meter in every home within its territory by 2016.	smartgrid.tcmnet.com <sup>27</sup> ; LPCC Survey

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>Dominion</b>	Total VA	110,000	2,400,000	Dominion has installed 110,000 smart meters in Midlothian, Charlottesville, and Northern Virginia to demonstrate the technology and customer benefits of smart meters. Dominion is awaiting findings from their demonstration efforts prior to filing for full deployment of 2.4M meters.	Richmond Times Dispatch <sup>29</sup> ; August 2011 email correspondence with Director of Advanced Metering
<b>DTE</b>	Total MI	450,000	4,000,000	DTE initially tested 30,000 smart meters in Grosse Ile Township and developed a dynamic pricing pilot for 5,000 customers. DTE has deployed 450,000 meters to support its "SmartCurrents" program goal of 645,000 meters. DTE received \$84M in SGIG funds (\$168M total project value) and intends to fully deploy 4M smart meters in its service territory at a later date.	DTE press release <sup>30</sup> ; annarbor.com article <sup>31</sup> ; August 2011 email correspondence with DTE
<b>Duke Energy</b>	Total IN OH	157,000	1,500,000	Duke has installed 157,000 smart meters in Ohio after receiving approval from the state commission in May 2010 to deploy 700,000 meters. In Indiana, a 40,000 pilot is pending with the IURC, and Duke is considering a full scale deployment (800,000 meters) at a later date. Duke was awarded \$200M in SGIG funds for a grid modernization project that can support the deployment of 1.5M smart meters in Indiana and Ohio.	Duke press release <sup>32</sup> ; PowerPoint presentation, IEE September 2010 meeting; August 2011 email correspondence
<b>Entergy Louisiana</b>	Total LA	12,400	12,400	Entergy Louisiana is conducting a pilot of smart meters to test the technology.	EIA Form 826--Advanced Metering Spreadsheets
<b>Entergy New Orleans</b>	Total LA	4,500	7,400	Entergy has installed 4,500 smart meters to pilot the meters and dynamic pricing in low-income households in New Orleans. The utility was awarded \$5M in SGIG funding (\$10M total project value) to support this project.	Entergy New Orleans press release <sup>33</sup>
<b>FirstEnergy Corp</b>	Total OH PA		58,000	In Ohio, FirstEnergy has filed for a rehearing of a modified AMI plan. The PUCO approved the initial plan in June 2010. FirstEnergy Corp will use a \$57.4M SGIG award and matching company money for AMI efforts in Ohio and Pennsylvania. Time-of-use rates and other incentives will be piloted over a 3-year period. In York, PA, FirstEnergy seeks 14,000 customers to be volunteer participants in a two-way demand response system.	Public Utility Commission of Ohio press release <sup>34</sup> ; cleveland.com <sup>35</sup>
<b>Hawaii Electric Company</b>	Total HI	71,700	451,000	HECO is planning to deploy smart meters throughout their service territory by mid-decade using company funding. Currently, 71,700 smart meters have been deployed.	Energy Efficiency News <sup>36</sup> ; HECO press release <sup>37</sup> ; eMeter Strategic Consulting

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>Idaho Power</b>	Total ID OR	417,000	490,000	Idaho Power piloted 25,000 smart meters in 2005 and have installed 399,000 meters in Idaho. Full deployment of 472,000 smart meters in Idaho is targeted by end of 2011. In 2010, all of Idaho Power's 18,000 Oregon customers received a smart meter. Idaho Power received \$47M (\$94M total program cost) in SGIG funding.	Idaho Power press release <sup>38</sup> & AMI FAQ page <sup>39</sup> ; Idaho Power AMI deployment map <sup>40</sup> ; August 2011 email correspondence
<b>Indianapolis Power &amp; Light</b>	Total IN	9,800	10,400	As part of IPL's residential focused Smart Energy Project, 9,800 of 10,400 smart meters have been installed throughout IPL's service territory. IPL was awarded \$20M in SGIG funds (total program cost, \$48.78M) to deploy smart meters along with complementary technologies.	IPL press release <sup>41</sup> ; AllBusiness <sup>42</sup> ; August 2011 email correspondence
<b>Los Angeles Department of Water and Power</b>	Total CA		76,500	Los Angeles DWP intends to implement an AMI plan for 64,000 residential customers with monthly energy consumption over 1200 kWh; 10,000 high turn-over residencies; and 2,500 critical care residential customers by 2013.	California Energy Commission <sup>43</sup>
<b>JEA</b>	Total FL	3,000	40,000	JEA is moving forward with smart meters and will provide a dynamic pricing pilot and consumer engagement software for 3,000 customers. The utility was awarded \$13M in SGIG funding.	DOE Recovery Act <sup>44</sup>
<b>Kansas City Power &amp; Light</b>	Total KS MO	14,000	14,000	KCP&L completed the installation of 14,000 smart meters in 2011 for their SmartGrid Demonstration project in midtown Kansas City, MO. The project also includes piloting in-home displays, demand response thermostats, a web portal, and investments in distributed energy resources, distribution and substation automation. Project concludes in 2014.	August 2011 email correspondence with Director of SmartGrid Demonstration
<b>Louisville Gas &amp; Electric</b>	Total KY	2,000	2,000	LG&E is in the third year of a Responsive Pricing and Smart Meter pilot program. 100 customers have time of use (TOU) pricing.	LGE POWERSource newsletter <sup>45</sup>
<b>Madison Gas &amp; Electric</b>	Total WI	1,750	1,750	MGE is installing a small-scale smart grid network, including meters, EV charging stations, and in-home energy management systems. \$5.5M in SGIG funds (\$11M total project value) were awarded to the utility to support their efforts.	MGE press release <sup>46</sup> ; DOE Recovery Act, Smart Grid <sup>47</sup>
<b>National Grid</b>	Total MA NY		54,400	National Grid will submit a revised proposal to the DPU for its 15,000 smart meters pilot in Worcester by the end of 2011. In addition, National Grid's 39,400 smart meter demonstration program in the Syracuse area will begin shortly.	Worcester Business Journal <sup>48</sup> ; National Grid Modified Smart Meter Pilot Program <sup>49</sup>
<b>NextEra Energy (formerly FPL)</b>	Total FL	550,000	4,400,000	NextEra Energy has deployed 550,000 smart meters as part of their Energy Smart Florida program. Full deployment of 4.4M smart meters is expected by 2014, supported by \$200M in SGIG funds.	Sun Sentinel <sup>50</sup> ; eMeter Strategic Consulting
<b>Nebraska Public Power District</b>	Total NE	29,000	68,500	NPPD is in the process of installing smart meters throughout the state. 68,500 smart meters will be installed by 2015. As of August 2010 a total of 29,000 meters have been installed.	NPPD AMI FAQ <sup>51</sup> ; Smart Grid Investment Clearinghouse <sup>52</sup>

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>NSTAR</b>	Total MA	400	2,800	NSTAR has installed 400 meters in the greater Boston area with plans to install 2,800 smart meters in Newton, Hopkinton, and Jamaica Plains as part of a \$16M pilot project approved by the Massachusetts Public Utilities Commission. The project is expected to run through 2012. NSTAR's investments satisfy the 2008 Green Communities Act requiring that all public utilities in Massachusetts develop and implement a smart grid pilot.	Worcester Business Journal <sup>53</sup> ; NSTAR press release <sup>54</sup>
<b>NV Energy</b>	Total NV	400,000	1,300,000	NV Energy has installed 400,000 smart meters with full deployment of 1.3M smart meters scheduled for end of 2012. \$138M in SGIG funds (\$301M total project value) was awarded to the utility to assist with this effort.	Seeking Alpha <sup>55</sup> ; T&D World <sup>56</sup>
<b>Oklahoma Gas &amp; Electric</b>	Total AR OK	390,000	833,000	OG&E has installed 390,000 smart meters in Oklahoma with full deployment of 775,000 smart meters and dynamic pricing options available by 2014. OGE received \$130M in SGIG funds (\$366M total project cost). 58,000 meters have been approved for deployment in Arkansas.	smartmeters.com <sup>57</sup> ; AR Docket 10-109-U, Order No.8; September 2011 email correspondence
<b>Oncor</b>	Total TX	2,000,000	3,400,000	On August 23, 2011 Oncor installed its 2 millionth smart meter with full deployment of 3.4M meters expected by the end of 2012.	PUCT Project 36157 <sup>58</sup> ; Navigant Consulting <sup>59</sup> ; 8/23/11 Fort Worth Star-Telegram
<b>Pacific Gas &amp; Electric</b>	Total CA	4,419,000	5,250,000	As of July 29, 2011 PG&E had installed 4.4M smart meters. Customers with smart meters can participate in PG&E's SmartRate plan, a voluntary critical peak pricing (CPP) rate plan that will help manage system load during hot summer days. The utility expects to reach full deployment of 5.25M meters by the end of 2012.	PG&E Smart Meter Program Data <sup>61</sup>
<b>Pacific Northwest Smart Grid Demonstration Project</b>	Total ID MT OR WA WY	13,400	60,000	Avista, NorthWestern Energy, Portland General Electric, and Seattle City Light represent the investor-owned and large public power utilities involved in a 5-year project that will provide two-way communication between distributed generation, storage, demand assets, and the existing grid.  Note: Meters related to Avista and PGE are not double counted in the total.	Bonneville Power Authority <sup>62</sup>
<b>PECO Energy Company</b>	Total PA	5,000	1,600,000	PECO intends to upgrade its communications infrastructure to support a smart meter network with initial installation of 600,000 smart meters starting in early 2012. PECO intends to fully deploy smart meters to 1.6M customers. PECO received the maximum SGIG award of \$200M to support their smart grid efforts.	PECO press release <sup>63</sup>

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>PEPCO Holdings</b>	Total DC DE MD NJ	418,000	1,710,000	PEPCO is on track to install 310,000 smart meters in Delaware by the end of 2011. 102,000 of 280,000 smart meters have been installed in DC with full deployment expected by the end of 2011. Maryland deployment has just begin with 6,000 of 570,000 meters installed; full deployment slated for end of 2012. PEPCO received \$168.1M in SGIG funds to support the \$300M cost of the DC and MD projects. There is no active AMI project in New Jersey.	Washington Post <sup>64</sup> ; Reuters <sup>65</sup> ; Washington Informer <sup>66</sup> ; PEPCO press release <sup>67</sup> ; August 2011 email correspondence
<b>Portland General Electric</b>	Total OR	816,000	816,000	PGE's smart meter program was approved by the commission in 2008; full deployment was completed in 2010.	PGE Earnings Report <sup>68</sup> ; PGE Smart Meters web page <sup>69</sup>
<b>PPL</b>	Total PA	1,404,000	1,404,000	PPL is in compliance with PA Act 129 and has installed AMI in its service territory. The PA electric distribution companies are engaged in a collaborative process to develop standards and formats for electronic communication of meter data and access by customers and 3rd parties. Once standards are set customers will receive access via the web to their interval data readings.	EIA Form 826--Advanced Metering Spreadsheets; eMeter Strategic Consulting; PA Docket No. M-2009-2092655
<b>Progress Energy</b>	Total FL NC SC	72,000	155,000	Progress Energy is planning to deploy 155,000 smart meters. Progress has installed 8,500 smart meters in NC and 63,500 meters in SC with 83,000 to be deployed in Florida. Progress received a \$200M SGIG award to assist with meter deployment and other customer-facing initiatives.	Progress Energy press release <sup>70</sup> ; August 2011 email correspondence
<b>PSE&amp;G</b>	Total NJ		17,500	PSE&G received approval from NJ Board of Public Utilities to install 17,500 smart meters in three Passaic County towns.	PR Newswire <sup>71</sup>
<b>Puget Sound Energy</b>	Total WA		700	PSE is testing a demand response pilot program with 700 customers on Bainbridge Island	PSE press release <sup>72</sup>
<b>Sacramento Municipal Utility District</b>	Total CA	270,000	615,000	SMUD has installed 270,000 smart meters and intends to install 615,000 smart meters throughout their service territory along with dynamic pricing, 100 EV charging stations, and 50,000 demand response control devices by 2012. SMUD was awarded \$127.5M in SGIG funds (\$307.7M total project value) to support their efforts.	Sacramento Bee article <sup>73</sup> ; DOE Recovery Act, Smart Grid <sup>74</sup> ; Response to LPPC Survey

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>Salt River Project</b>	Total AZ	710,000	935,000	Salt River Project has approximately 710,000 smart meters installed and intends to have full deployment of 935,000 meters by 2013. Their next step is to provide a dynamic pricing structure to their customers. Salt River Project received \$56.8M in SGIG funds (total program cost, \$114M).	SRP Smart Meter Page <sup>75</sup> ; Phoenix Business Journal article <sup>76</sup> ; Response to LPPC Survey; eMeter Strategic Consulting
<b>San Diego Gas &amp; Electric</b>	Total CA	1,350,000	1,400,000	SDG&E has 1.35M smart meters installed with full deployment of 1.4M scheduled to occur by the end of 2011. SDG&E was awarded \$28.1M in SGIG funds (\$60.1M total project value).	SDG&E Smart Meter website <sup>77</sup> ; August 2011 email correspondence
<b>Southern California Edison</b>	Total CA	3,000,000	5,300,000	As of September 2011, SCE had installed 3 million smart meters with full deployment of 5.3M expected by 2012. SCE's SmartConnect program will use the meters to offer Critical Peak Pricing (CPP) and Peak Time Rebate (PTR) rates to customers with enabling technologies.	SCE SmartConnect home page <sup>78</sup> ; August 2011 email correspondence
<b>Southern Company</b>	Total AL FL GA MS	3,611,000	4,617,000	Southern Company's Georgia Power has deployed 1.9M meters out of a planned 2.5M; Alabama Power has fully deployed 1.48M meters; Gulf Power has deployed 163K of 449K meters; Mississippi Power has installed 5,000 and is awaiting approval by the MS PSC for full deployment of 201,000 smart meters. Southern Company is projected to reach full deployment by 2012-2013. Southern Company was awarded \$165M in SGIG funds (total program cost, \$330M) to upgrade necessary infrastructure.	GA Power smart meter page <sup>79</sup> ; AL Power smart meter page <sup>80</sup> ; Reuters press release <sup>81</sup> ; Greentech Media article <sup>82</sup> ; August 2011 email correspondence
<b>State Program (Pennsylvania)</b>	Total PA	1,409,000	6,000,000	Act 129 (signed 10/15/2008) mandates electric distribution companies with >100,000 customers to provide smart meters either to customers that request one, for newly constructed buildings, or to all customers within fifteen years. Most companies will reach full deployment well before the allotted timeline.  Note: Meters listed for Allegheny Power, FirstEnergy Corp, PPL, and PECO are not double counted in the total.	PA Act 12928 <sup>83</sup> ; smartmeters.com <sup>84</sup> ; SNL <sup>85</sup> ; Pittsburgh Tribune-Review <sup>86</sup>
<b>Tampa Electric</b>	Total FL	250	10,000	TECO is testing 250 smart meters in two of Tampa's most recently erected high-rise buildings. The company plans to extend the pilot to 10,000 units to test remote connect/disconnect and DSM in 2011.	metering.com <sup>87</sup>
<b>Tacoma Public Utilities</b>	Total WA	17,000	152,000	Tacoma Public Utilities has installed 17,000 smart meters and intends to deploy an additional 135,000 meters.	TPU press release <sup>88</sup>
<b>Texas New Mexico Power</b>	Total NM TX	10,000	240,000	In July 2011, the PUCT approved full deployment of 240,000 meters in TX by 2016. The utility is employing SmartSynch's residential SmartMeter solution which uses standard IP communications via public wireless networks.	TNMP press release <sup>89</sup> ; Reuters <sup>90</sup>

Utility	State	Meters Installed	Target Number of Meters	Notes	Resources
<b>United Illuminating</b>	Total CT	50,000	350,000	United Illuminating has installed 50,000 smart meters with a goal to install 80,000 by the end of 2011. Full deployment will be 350,000 meters.	CT Energy New Board <sup>91</sup> ; IBM <sup>92</sup>
<b>Vermont Utilities</b>	Total VT	32,000	300,000	VT's 20 utilities plan to install smart meters in 85 to 90 percent of homes across VT by 2013. This program was awarded \$69M in SGIG funds.	Burlington Free Press article <sup>93</sup> ; Vermont Public Radio <sup>94</sup>
<b>Westar Energy</b>	Total KS	5,000	48,000	Westar is piloting smart meters in its SmartStar project in Lawrence, KS. SmartStar is a customer-centric project and all customers will be offered a personal energy web portal accompanying the smart meter installation. The project includes other infrastructure required to support system-wide deployment of smart metering. The project is expected to take between 24 and 36 months to implement, with meter installations beginning Q2 2011. Westar was awarded \$19M in SGIG funds (total project value, approx. \$40M).	Marketwire.com article <sup>95</sup> ; eMeter Strategic Consulting
<b>Xcel Energy</b>	Total CO MN WI	20,000	20,000	Xcel is piloting 20,000 smart meters as part of a smart grid system known as SmartGridCity in Boulder, CO, testing peak pricing and in-home power monitoring and management technologies.	SmartGridCity, Xcel FAQ <sup>96</sup>
<b>Other Coops and Munis</b>	Total 26 States	1,510,000	2,103,000	Information obtained from EIA and eMeter Strategic Consulting indicates that 1.5M smart meters have been installed by some municipal utilities and cooperatives, with plans to deploy 2.1M by 2015. These electricity providers operate in 26 states.	eMeter Strategic Consulting; EIA Form 826--Advanced Metering Spreadsheets
<b>Total</b>		<b>26,810,740</b>	<b>64,846,150</b>		

This table illustrates current installations, as well as planned and proposed deployments, of smart meters across the United States. As of September 2011, 27 million smart meters have been installed. If full deployment based on these initiatives is achieved, a total of 64,846,150 meters will be installed and operable by 2015. According to EIA's forecast of electricity customers in 2015, this planned deployment represents 54% of U.S. households.<sup>97</sup>

Note: The map shows the extent of smart meter deployments by electric utilities that are either completed, underway, or planned with a completion date of 2015 or before. For the purposes of this reference, smart meters are defined as advanced meters that allow for two-way communication and real-time electricity consumption information. This map does not include automatic meter reading (AMR) installations. Information was compiled using the latest public data available as of September 1, 2011. Readers are encouraged to verify the most recent developments by contacting the appropriate utility or regulator.

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## References:

1. *AEP also has service territories in AR, TN, and LA but have not been included in the map due to the small number of customers they represent in terms of the total number of end-users in those states. AEP customers in these service territories will also receive smart meters under the utility's plan.*
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