

Synopsis	AMI Meter Penetration												
<p>This report is a catalog of current and future AMI and smart meter deployments in the U.S. It includes profiles of utilities, government agencies, and private organizations influencing the development and use of Smart Grid systems. It also includes specific data on current utility activities. Detailed data are provided in a separate Excel file (Volume II) for more than 2,000 utilities for review and analysis.</p>	<p><b>AMI Meter Penetration by Type of Utility (Residential Meters Only)</b></p> <table border="1"> <caption>AMI Meter Penetration by Type of Utility (Residential Meters Only)</caption> <thead> <tr> <th>Utility Type</th> <th>% of AMI Capable Residential Meters</th> </tr> </thead> <tbody> <tr> <td>Co-ops</td> <td>~18%</td> </tr> <tr> <td>Munis</td> <td>~8%</td> </tr> <tr> <td>Others</td> <td>~15%</td> </tr> <tr> <td>IOUs</td> <td>~10%</td> </tr> <tr> <td>Overall</td> <td>~12%</td> </tr> </tbody> </table> <p><small>Based on FERC's Demand Response and Advanced metering Survey and data collected by Parks Associates ©2010 Parks Associates</small></p>	Utility Type	% of AMI Capable Residential Meters	Co-ops	~18%	Munis	~8%	Others	~15%	IOUs	~10%	Overall	~12%
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"Driven by the need to control rising costs and manage power more efficiently, utilities and government organizations are taking concrete steps to establish a smart grid and deploy residential energy management programs," said Bill Ablondi, director, home systems research, Parks Associates. "This report is a comprehensive snapshot of the current status and activities of utilities throughout the U.S. and provides solid data on the capabilities they are enabling and the technologies they are implementing."

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G.hn  
HomePlug AV  
HomePlug  
Command & Control (C&C)  
Insteon (SmartLabs)  
LonWorks (Echelon)  
ZigBee  
Z-Wave  
2.3 Smart Grid Marketing  
2.4 Electricity Deregulation and Retail Electric Providers

**3.0 Governmental Agencies and Organizations Influencing Smart Grid Deployment**

3.1 California Public Utilities Commission (CPUC)  
3.2 Electric Power Research Institute (EPRI)  
3.3 Federal Energy Regulatory Commission (FERC)  
3.4 GridWise Architecture Council (GWAC)  
3.5 National Association of Regulatory Utility Commissioners (NARUC)  
3.6 National Institute of Standards and Technology (NIST)  
3.7 Public Utility Commission of Texas (PUCT)

**4.0 Utility Profiles**

4.1 Utility Profiles: Summaries  
4.2 Selected Utilities  
Allegheny Power  
Ameren IL  
Baltimore Gas & Electric Company  
Black Hills Corp  
Brunswick Electric Membership Corporation  
Central Lincoln People's Utility District  
Cobb Electric Membership Corporation  
CPS Energy  
Denton County Electric Cooperative d/b/a CoServ Electric  
DTE  
Dominion Resources, Inc.  
Entergy New Orleans, Inc  
Electric Power Board of Chattanooga (EPB)  
First Electric Cooperative Corporation  
Hawaiian Electric Company  
Holland Board of Public Works  
Indianapolis Power and Light Company  
Lafayette Consolidated Government, LA  
Magic Valley Electric Cooperative  
Mississippi Power  
Modesto Irrigation District (PUD)  
Philadelphia Electric Company (PECO)  
Potomac Electric Power Company (PEPCO)  
Progress Energy  
Rappahannock Electric Cooperative  
Sacramento Municipal Utility District  
San Diego Gas & Electric  
Santee Cooper - South Carolina Public Service Authority  
Sioux Valley Southwestern Electric Cooperative, Inc.  
Snapping Shoals Electric Membership Cooperative  
South Central Power Co.

South Kentucky Rural Electric Cooperative Corporation  
 South Mississippi Electric Power Association (SEMPA)  
 City of Springfield Water, Power and Light, IL  
 Talquin Electric Cooperative, Inc.  
 Vermont Transco, LLC dba Vermont Electric Cooperative  
 Woodruff Electric  
 Your Own Utilities (Local Utility Company)

**4.3 Utility Profiles**

- 4.3.1 AEP
- 4.3.2 Alabama Power
- 4.3.3 Alliant Energy
- 4.3.4 Arizona Public Service (APS)
- 4.3.5 Austin Energy
- 4.3.6 Bluebonnet Electric
- 4.3.7 Burbank Water and Power
- 4.3.8 CenterPoint Energy, Inc.
- 4.3.9 Cleco Power LLC
- 4.3.10 Commonwealth Edison (ComEd)
- 4.3.11 Duke Energy
- 4.3.12 Florida Power and Light Company (FPL)
- 4.3.13 City of Fort Collins Electric Utility
- 4.3.14 Georgia Power
- 4.3.15 Glendale Water and Power (GWP)
- 4.3.16 Gulf Power
- 4.3.17 Idaho Power
- 4.3.18 Kansas City Power & Light Company (KCPL)
- 4.3.19 Lakeland Electric Coop
- 4.3.20 Los Angeles Department for Water and Power (LADWP)
- 4.3.21 Lee County Electric Cooperative (LCEC)
- 4.3.22 City of Naperville Electric Utility
- 4.3.23 Oklahoma Gas & Electric (OGE)
- 4.3.24 Oncor
- 4.3.25 Pacific Gas & Electric (PG&E)
- 4.3.26 Pedernales Electric Cooperative
- 4.3.27 Portland General Electric (PGE)
- 4.3.28 PPL Electric Utilities
- 4.3.29 Salt River Project (SRP)
- 4.3.30 City of San Marcos Electric Utility
- 4.3.31 Southern California Edison (SCE)
- 4.3.32 Spanish Fork Electric Utility
- 4.3.33 Westar Energy
- 4.3.34 Xcel Energy SmartGridCity

**5.0 Smart Meter Forecast**

**6.0 Notes on Methodology**

6.1 Data Sources

**7.0 Appendices**

- 7.1 Appendix A: Funding Criteria
- 7.2 Appendix B: Acronyms
- 7.3 Appendix C: Glossary

**AMI Fact Book 4Q 2009 Update - Volume II Master Spreadsheet  
(Excel)**

AMI meter deployment summary

Appendix A: Acronyms  
 Appendix B: Glossary  
 Summary  
 Smart Meter Forecast  
 List of Investor Owned Utilities (IOUs)  
 List of Utility Cooperatives (Co-ops)  
 List of Municipally Owned Utilities (Munis)  
 Other types of utilities  
 Utilities deploying Capacity Market programs  
 Utilities deploying Critical Peak Pricing programs  
 Utilities deploying Critical Peak Rebate programs  
 Utilities deploying Demand Bidding programs  
 Utilities deploying Direct Load Control programs  
 Utilities deploying Emergency Demand Response programs  
 Utilities deploying Interruptible and Curtailable programs  
 Utilities deploying Real-time pricing programs  
 Utilities deploying Time-of-use programs

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 Households with AMI Capable Meters

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