



U.S. Department of Energy

Office of Electricity Delivery and Energy Reliability

Status of Smart Grid Investment Grant Projects

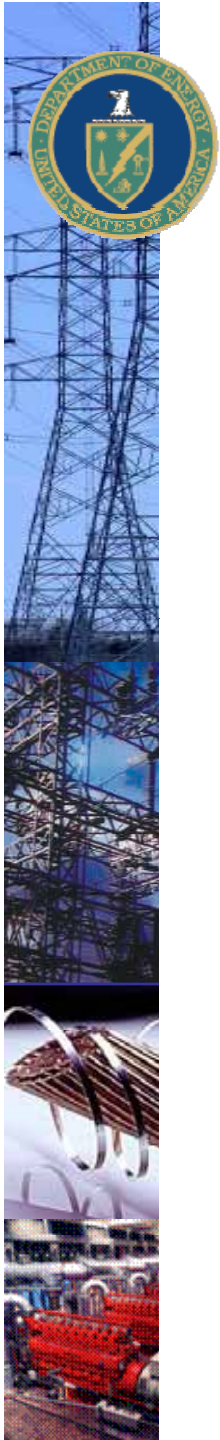
**FERC/NARUC Collaborative on Smart Response
NARUC 2010 Summer Meeting**

Joe Paladino

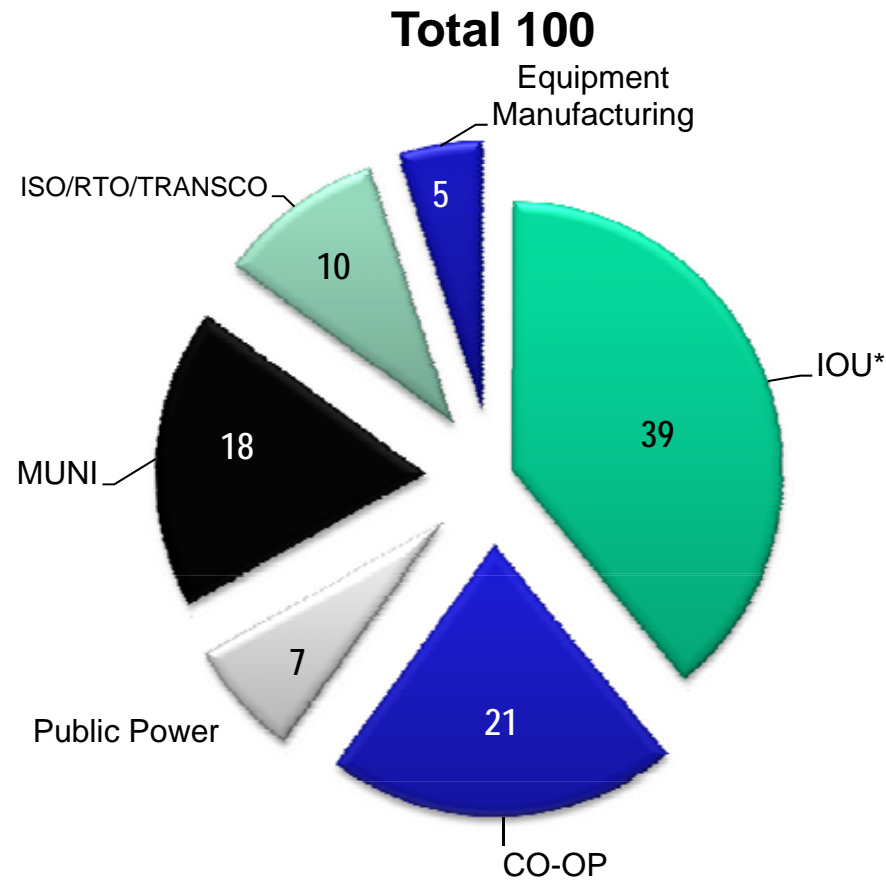
DOE Office of Electricity Delivery and Energy Reliability

July 18, 2010

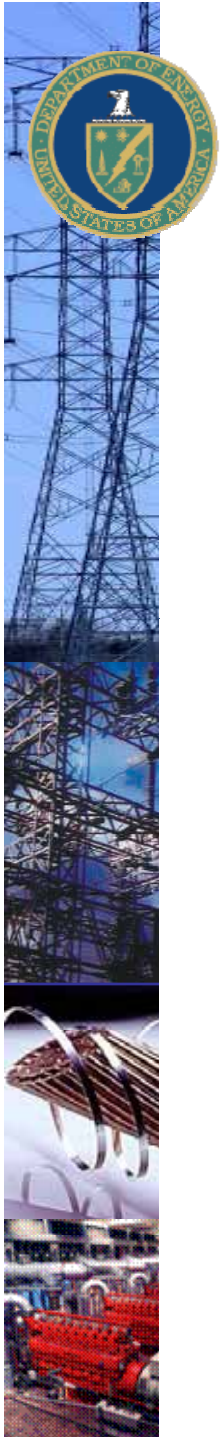




SGIG Awards by Recipient Type

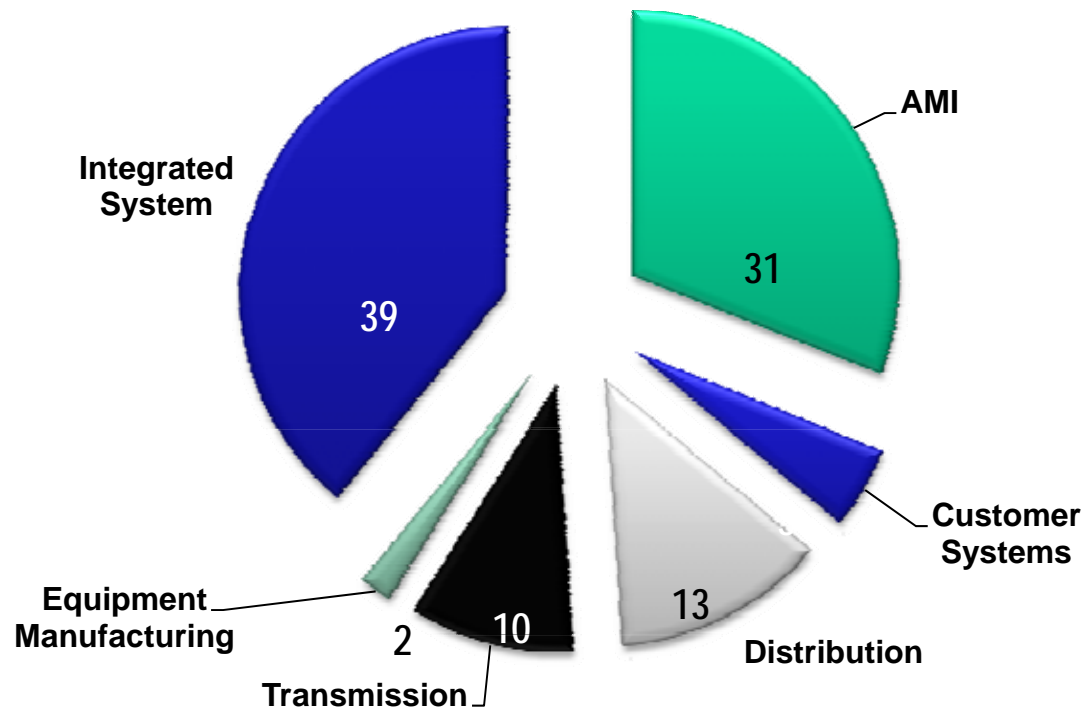


* Some IOU's received multiple awards for their various distribution utilities or transmission companies: PEPCO (3), Duke (2), and Black Hills Corp (3)



SGIG Awards by Technology Type

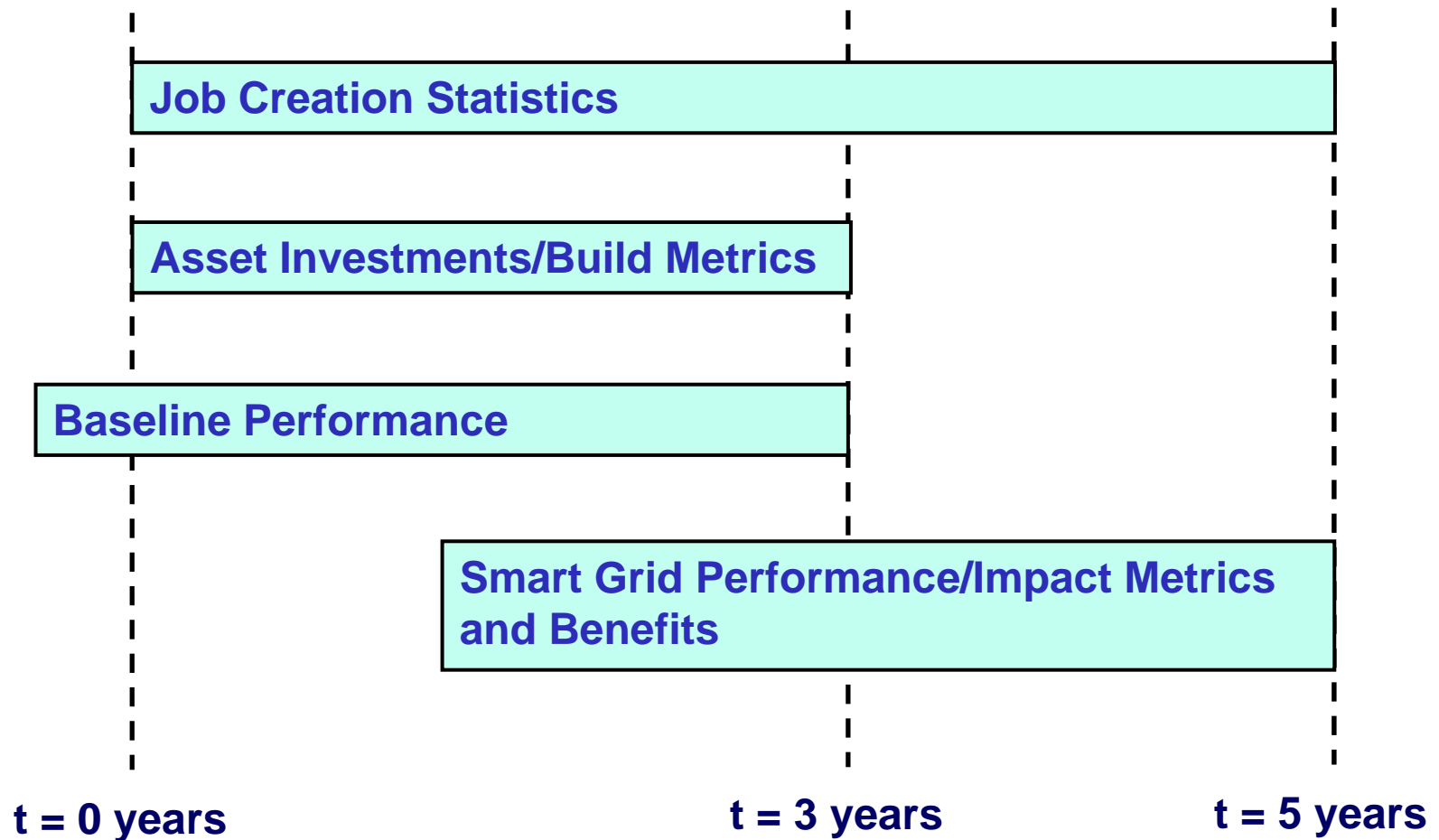
100 Awarded

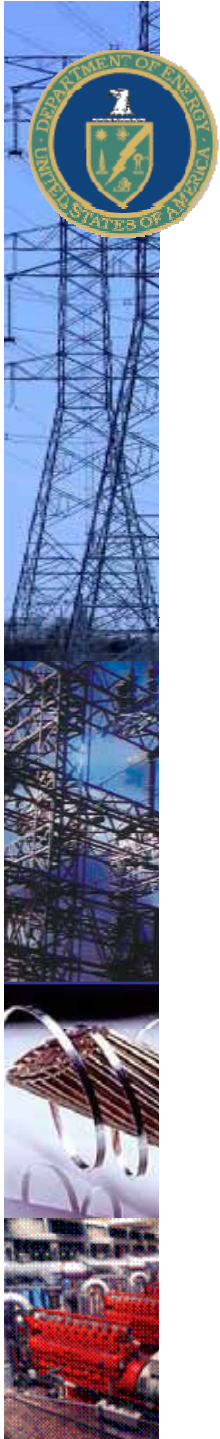


58 Projects Proposed Using Enabling Technologies (HAN, In-Home Displays, Programmable Thermostats)
78 Projects Proposed Dynamic Pricing (CPP, RTP, PTR/CPR, TOU)
42 Projects Require Regulatory Approval (AMI and Dynamic Pricing)



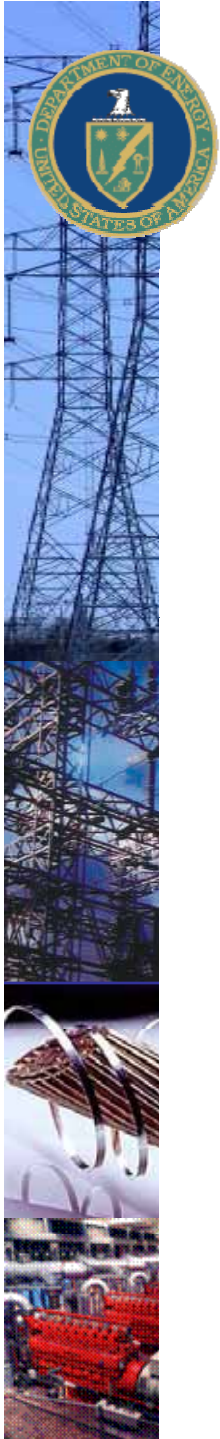
Information Gathering and Analysis





Consumer Behavior Studies

- Each participating utility will conduct a consumer behavior study of their dynamic pricing project
- DOE will prepare a meta-analysis of all projects
- DOE intent to create a publicly accessible database (with appropriate controls for masking customer identity)
- Most utility consumer behavior projects have proposed to:
 - Get into field by or during 2011
 - Run for two summers
 - Interim and final evaluation study (by early 2013)
- DOE Reports on SGIG consumer behavior projects:
 - Meta-Analysis Interim (2012) and Final (Late 2013)
 - Targeted studies (e.g., role of enabling technologies and information feedback, customer acceptance by targeted populations)
 - Customer-level data commensurate with release of evaluation studies



Proposed Collaboration

Identify and evaluate the potential benefits that might arise from the deployment of smart grid technology, especially those associated with demand management through the application of AMI and dynamic pricing programs