



U.S. Department of Energy

Office of Electricity Delivery and Energy Reliability

Electricity Advisory Committee Smart Grid Sub-Committee

2012 Work Plan

March 6, 2012

2012 Smart Grid Work Plan Approach

- **Considerations:**
 - Build from resulting from ARRA SGIG/SGDP project results that were awarded ~two years ago
 - EAC Smart Grid Sub-Committee role defined in the 2007 Energy Independence and Security Act
- **Approach:**
 - Met with DOE in January 2012
 - Conference calls and iterations with Committee and DOE staff
 - Build upon DOE activity underway
- **Philosophy:**
 - Work closely with DOE staff to find ways for EAC to add value
 - User priorities to focus efforts throughout 2012

2012 Smart Grid Work Plan Overview

- **Prioritized Work Plan Overview:**

1. Review ARRA SGIG/SGDP project lessons and benefits and develop forward-looking recommendations to guide actions that promotes SG investment



2. Map a communication outreach framework. Use ARRA SGIG/SGDP project findings for messaging



3. Develop Smart Grid Education Materials and a Handbook for Regulators
 - DOE will present the ARRA SGIG/SGDP project lessons
 - Solicit input on the interest for a Smart Grid education materials and a handbook for regulators
 - Map outline in 2012 that guides a future deliverable

1. Review ARRA Project Lessons and Benefits

- Review the Smart Grid System Report and other materials in development and provide guidance:
 - Most effective communicating mechanisms
 - Frequency of updates
 - Value of meta analysis
 - Use of the findings
- Present an over-arching framework to guide investments
- Recommend the type of data to be presented
- Suggest the nature of progress reports and key messages
- Provide guidance for the development of business cases; make recommendations to overcome gaps and barriers.
- Recommend metrics and necessary engagement studies

2. Map an Outreach Framework

- Outline an outreach framework that identifies better channels to move ARRA information into the market place and the broader industry.
 - Identify audiences that need to be reached
 - Determine partnering organizations. Leverage those willing to articulate smart grid vision and willing to carry the message
 - Recommend media connections, conferences for reporting findings, key messages, press releases, and social media
 - Get feedback and coordinate efforts with others like the interagency Federal Smart Grid Task Force

3. Develop Smart Grid Education Materials and a Handbook for Regulators

Smart Grid education is key and information is now scattered and unconsolidated, with different ways to measure value.

- A handbook can be used to consolidate applicable information and education in a form that will be effective for investment decisions.
- Advise DOE on outreaching efficiently with regulators
 - DOE to present findings, identify materials that have been developed and gauge interest for the handbook
 - Use input to guide the development of a regulatory handbook
 - Distribute appropriately

Efforts Not Included in the 2012 Work Plan

- The following are not included in the 2012 SG Work Plan
 1. Better Understand Consumer Opinions and Social Behavior.
 2. Define DOE's Role on Smart Grid Privacy and Standards.
- Rationale:
 - The EAC is not well equipped to conduct behavioral science research and other groups are focused on it
 - DOE is already conducting data privacy workshops and are releasing a major white paper on data privacy. Their role seems to be quite clear

Conclusions and Next Steps

- **Conclusions:**
 - Developing recommendations and effective messaging from ARRA SGIG/SGDP projects is most critical
 - Work closely with DOE staff to understand activity underway and add value to it
 - Use work plan priorities to focus 2012 efforts
- **Next Steps:**
 - Create a schedule incorporating EAC feedback
 - Add members and sub-divide responsibilities
 - Coordinate with monthly conference calls