

Case: 07-M-0548, Energy Efficiency Portfolio Standard
Minutes, 10-18-07 Working Group 4 Meeting

Next Meetings

Thursday, November 1

11:00 a.m. – 5:00 p.m.
Department of Public Service
Boardroom, 19th Floor
3 Empire State Plaza
Albany, NY

Thursday, November 15

11:00 a.m. – 5:00 p.m. *
Location NYC

Thursday, November 29

11:00 a.m. – 5:00 p.m. *
Department of Public Service
Boardroom, 19th Floor
3 Empire State Plaza
Albany, NY

* As work progresses on final report, WG 4 will revisit suggestion to change meeting start time to 9:00 a.m.

Action Items

- Populate emerging technologies matrix by identifying hurdles and ways to address them – link these to a broad category, such as on-site generation. **Due by Friday, October 26.** Send responses to WG 4 distribution list.
- Develop and disseminate a list of broad categories of emerging technologies: **Dana**
- Distribute proposed final report format to EPS distribution list **by October 26.** To be done by EPS co-convenors. Will also be sent to WG 4 electronic file cabinet.
- Demand side/peak load reduction writing assignments. **Due October 26.** Send drafts to WG 4 distribution list. Send comments on drafts to authors.
 - AMI: Scott DeBroff
 - Existing population of mandatory hourly pricing programs: Tim Roughan
 - Smart grid perspective: Chris Holmes
 - Smart Grid/Controllable Technology : Ruben Brown
 - Emissions: John Barnes
 - Hurdles to on-site generation: Pete Sheehan, Annie Wilson
 - Integrating demand response/energy efficiency: Nick Planson, Liz Weiner
 - Communication with ISO: Arthur Pearson
 - Energy efficiency with gas: Susan Gunn
 - T&D: NYISO

Note: Subsequent to the meeting we received two additional volunteers:

- Long Term Contracts: Marie Pieniasek
- Smart Grid/Controllable Technology : Ruben Brown

Discuss Templates

- Judge asking what is existing in programming and technology and what is going on in other states
- What are the barriers for technology and programs
- ALJ wants to know what the costs will be for programs and technology support
- Emerging technologies templates will be used more as a guide than for the detail
- Looking at buckets of “technology” like Onsite Generation, CHP, and then we can have a generic discussion about the buckets

Proposal for Final Work Product

Proposal attached separately

- Costs...need to determine what it will cost to fund programs or technology
- Governor has indicated that the 15% does not all have to come from the EPS proceeding. No adjusted figure available, can indicate how much can be obtained from this proceeding
- There are important code changes that may need to be addressed
- Indicate what can be done in Short Time, Medium Time, Long Time ---when can you expect deployment.
- Acknowledge that things may happen at Federal level that will impact NY State implementation.

Emerging Technologies: Discussion of Hurdles Faced at Each Stage of Product Development

- Introduction of matrix, “Pathway for Emerging Technologies”
 - Where do we start to look at the barriers
- How do we incent the market to build it and get people to use it
- Consider the commissioning of a study, perhaps to find out why some technology makes or doesn’t make it
- Measure of success for the group could be to overcome the hurdle of the chicken/egg dilemma
- There will be different barriers for different technologies
- Advanced Metering is a limitation for most customers and Net Metering for DG opportunities
- NY PSC process for meter approval is a hurdle
- There is a NY PSC advanced metering proceeding looking for comments regarding minimum functionality

- ADG Manure Energy and how it's produced and distributed (Annave-lac Digester Gas)
- Rules for designating what is a public utility: ex., 1 Wind Farm in Western New York that would have been designated a public utility
- First 5 stages are good and we might be focusing on the 4th and 5th stages in the "Pathway for ET" slide.
- Identify hurdles, training of installers to install high technology systems and products, workforce issues
- Standards and zoning enforcement; training of Code-Enforcement; have codes that are education "realistic"
- Rate design - ex., how Peak Hour is defined by the utility
- Decoupling not implemented yet in NY state
 - Current PSC proceeding on this

Demand Response/Peak Load Management: Discussion of Barriers to Implementation

- Used outline prepared by Chris Graves of NYSERDA, "Areas for Growth in Demand Response," as starting point for discussion
- Do a cost/benefit analysis
- Attempt to maximize the meter capabilities to the customer
- Like the DLC capabilities and getting things done without customer input
- If you could show the larger customers what they are doing and what they are not, that would help the utilities understand what they need to do to improve rates programs and get greater customer responses.
- Majority of customers did not have enough information in order to be able to respond to a program
 - Mandatory Hourly Pricing website – 6 months after implementation, the customers responded to a survey
 - Next steps are looking at a further survey and see what kind of DR resulted
- Examination of new products
 - In conjunction with AMI, look at controllable appliances
 - Looking for linkages between AMI and Smart Appliances that have DR potential
 - Add in rates and programs that get the most out of the technology
- Many existing DR programs working well and need to support it
- Long term contracts for Load Reduction and Aggregation of customers
- Promotion of Anxillary Reserves or Spinning Reserves
- Integration of customers who are doing both DR and EE.
 - Window Air Conditioner units with smart, programmable chip
 - Different chips in different devices
- T & D System Optimization
 - Possibilities to improve power factor
 - Make it revenue neutral
- Need to address natural gas issues too