

NY PSC Energy Efficiency Portfolio Standard – Working Group IV Meeting
Notes – New York City @ NYSERDA – November 15, 2007

Energy Efficiency Portfolio Standards Proceeding
Working Group 4

Agenda, Nov. 15, 2007

Location: NYSERDA, 10th Floor Suite, Suite 1006, 485 Seventh Avenue, NYC

Time: 11:00 a.m.- 5:00 p.m.

Next Meeting: All Day Meeting

Thursday, November 29, 2007

9:00 a.m. – 5:00 p.m.

Department of Public Service

Boardroom, 19th Floor

3 Empire State Plaza

Albany, NY 12223

December 14th – Plenary; looking for discreet tasks and what hasn't been done

Fast Track Program – RD coming out shortly in 1 week after Dec. 5th

Remember Report Framework

- Background/Context
- Framework/ Hurdles
- Recommended/Forecasted Benefits

- ❖ Need to be concise...use appendices
- ❖ Will be incorporating Majority and Minority views

- Make sure that we put in “Asks” and what we want

Discussion

- How do we incorporate items that are applicable or not
Upstate/downstate issues?
- Provide support for viewpoints
- Difference between technologies that are existing and those that are not
- Net Metering has been ruled on by the Commission but we are going to go and review all over again.

NY Storage Opportunities

- Talking about a car responding to a grid request
- Proposing a demo for utility scale within 2 years
- Optimize photovoltaics
- Running economics based on NYISO pricing
- NYISO about to approve an ancillary services offering

- Use storage to defer T & D upgrades
- Talking about the size of the demos, it's large numbers
- What are the hurdles?

T & D System Optimization

- Focusing on T & D losses
- \$60 Million a year in spinning reserves
- \$10,000,000 MWh losses a year (distribution system)
- 14 Million tons of CO₂ Omissions caused by system losses
- May need to look at “minimum interconnection standards” for interfaces between T & D to manage system power factors
- Major proponent of smart metering. We need it for everything... to communicate and analyze data.
- May want a “prices to devices” perspective.
- Promoting “Smart Grid” technologies to support utilities, customers
- As the system is upgraded and replaced, there are opportunities to upgrade
- Efficient Transformers: EPACT 2002 had a requirement, EPACT 2005 has another requirement for lower voltage transformers
- TXY-Oncor → doing analysis of their transformers right now, PJM → also doing a study
- Q. Can we recommend new transmission standards for NY State when the Feds have not blessed a national one?
- Commercial and Industrial Customers will benefit from T & D upgrades
- Differentiation of losses on the Electric System
 - Time and location differentiation of losses
 - Incentive for doing DSM where there are heavier T & D losses
- How will WG IV work with WG III on presenting T & D system loss issue?
- Codes & Standards: Where does this effort reside? Dept of State manages some of these

AMI Section

- Utilities are already addressing measured approach
- One view: focus on the AMI inclusion and as we move forward we can help focus on what benefits will result from deployment
- This is a think tank discussion that will ultimately drill down to the details

VI A. Expanded Use for DR Resources

III A. Continued and increased deployment of current programs

- Only limited # of ways for people to participate in the forward capacity market
- Collaboration and support for “**Access to Meter Data**”
 - This is a utility regulatory issue
 - NY CRR

DR for Natural Gas

- Concentrate on ways to reduce gas usage
- Secondary benefits on the electric side

Continued and Increased Deployment of Current Programs

- Standby rates issues as a barrier
- Managing for existing customers
- Sub metering for multi family/apt. housing/commercial properties

Emerging Technologies: Field Demonstrations

- Limited in the quality and types of companies that can provide for a FD
- Think of programs that are under-funded
- Produce ideas/recommendations for technology funding.
- Characterize what the problem is...it's expensive and co. at that stage of its growth, can't fund 100 samples
- Identify where the gaps are in this analysis

Articles: "New Energy Finance"

"Energy Innovation Act"

CEC website

EPS – Working Group 4

Final Report Preparation Deadlines

- Submit comments to individual authors **by Monday, 11/19/07**. *This is your last opportunity to submit new information that you want to see incorporated into the final report.*
- Individual authors submit *clean versions* to Sig Peplowski and Dana Levy **by c.o.b. on Tuesday, 11/20/07**.
- Draft of final document to be circulated **by noon on Tuesday, 11/27/07**. This will be a single document covering all four pieces of the report: Brief Overview of Working Group 4's Charge, Emerging Technologies, Demand Response/Peak Load Reduction, and Transmission and Distribution Efficiencies.
- Read the report before the last WG4 meeting on November 29. If you will not be able to attend the 11/29 meeting, *submit written comments by noon on Tuesday, 11/28/07*. All others be ready to discuss comments at WG4 meeting on 11/29. The entire meeting on 11/29 will be devoted to discussing the final report.
- The final report, including an Executive Summary, will be submitted, as per the deadline established by Judge Stein, **on Wednesday, 12/5/07**. Please note: the Executive Summary will be prepared by taking information from each of the four report sections.

Final Report Assignments

The report needs to be concise. Use appendices to include information that is not critical to understanding what hurdles, options to address hurdles, and final recommendations. Use footnotes to cite references, rather than include them in the body of the report.

Follow the report framework: background/context (brief), framework for discussion of hurdles and ways to address them, and recommendations/forecasted benefits. If you are including information that does not lead to a recommendation, consider putting that information into an appendix.

The report will include “majority” and “minority” views. Part of the discussion on 11/29 will be to determine where there is consensus and where there are majority and minority perspectives.

- Glossary of terms: **Pete Sheehan and Catherine McDonough**
- Coordination between WG3 and WG4 on incorporating T&D efficiency measures into WG3 recommendations: **Randy Bowers and Aaron Breidenbaugh**
- Helping to put together the final document: **Chris Smith, Dana Levy, and Sig Peplowski**
- All comments on appliance standards should be sent to **Chris Holmes and Ed Gray**
- Information on access to meter data should be sent to **Scott DeBroff, Nick Planson, and Donna Pratt**
- **Tim Roughan** will contact John Little at LIPA to get information on LIPAs DR programs
- **Andy Riebel** will write a piece on gas DR programs
- **Nick Planson and Donna Pratt** will write recommendations on continued and increased deployment of current DR programs
- The section called “Long term Contracts” is now called “Price Security” and will be written by **Nick Planson, Marie Pieniazek, and Chris Smith**. Another perspective will be supplied by **Tim Roughan**.
- **Chris Smith** will provide comments on deployment of non-generation DR resources for emissions reduction on high ozone days.
- **Chris Smith and Tim Roughan** will provide comments on white tag recommendations under section in integrating DR and EE, and will send them to Nick Planson.
- **Aaron Breidenbaugh and Chris Smith** will write up a piece on landlord/tenant and third person property management.
- Everybody should send input/comments on the emerging technologies piece, especially on hurdles and recommendations, to **Dana Levy**.