NYSERDA - PON 1151
Innovations in DR, LM & Dynamic Price

Introduction

- Tony Abate – Project Manager for Demand Side Resources in NYSERDA Buildings R&D
- $5M funding available, 3 rounds all or none in any round
- Due 5 PM EST October 1st, 2009, February 1st, 2010 and June 1st, 2010

NYSERDA Overview

- NYS public benefit corp. (1975) – not policy makers
- "facilitate change through the widespread development and use of innovative technologies to improve the State's energy, economic, and environmental wellbeing"
- primarily funded by rate payers via System Benefits Charge
- NYSERDA Energy Efficiency Services vs. R&D http://www.nyserda.org/incentives.asp

NYS - great place for energy mgmt & service businesses

Market drivers

1. NYISO has a mature Demand Response (DR) market w/ payments
2. NYSERDA provides incentives http://www.nyserda.org/incentives.asp efficiency, DR, etc. $.12/.16 kWh & $100/200 kW
3. Market constraints have resulted in high demand charges
4. Utilities have various DR programs
5. NYS DPS and utilities are lowering the thresholds for DA MHP
6. Deregulated with 3rd party energy suppliers

PON 1151: Get NYS loads/customers to be responsive & controlled

1. DR – get paid to curtail (not run back-up generators)
2. Load kW mgmt – reduce peak-demand $... control, level, shift, etc.
3. Dynamic pricing - Reduce bill/use power when its cheaper (MHDP & VTOU or 'behind the meter' rate for multifamily

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Who?

- ISO market participants, CPS's, energy management services companies, ESCOs, technology vendors, commercial, industrial and multifamily facilities, etc.

How much?

- Max $300K development/demonstrations & $100K technical studies (paper)
- Cost share 50% and 30% respectively

What?

- Innovative technologies/techniques, cost-effective, useful in NYS
- Solve problem shared by many; No fundamental research or policy
- Incremental innovations and novel applications of commercially available to systems that will help expand adoption in NYS
- Not for 'make-whole' payments

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Innovations may include novel;

1. Sources of curtailable load,
2. Load control technologies and techniques,
3. Communications, protocols and standards,
4. Metering, measurement and verification, and
5. Implementation and management of dynamic rates (i.e. voluntary or mandatory time of use rates)

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Proposing

- Non-NYS entities OK…. having the ability to benefit NYS
- More than one proposal per round OK
- Phased approaches encouraged within funding limits
- Multiple phases in different proposals not recommended
- Resubmissions OK
- Download forms from http://www.nyserda.org/funding/1151pon.asp
- Follow proposal outline
- One paper copy / one electronic

Evaluation

- Technical Evaluation Panel
- NYSERDA review and selection for contract negotiation
- Letters go out to proposers – not 'awards'
- Negotiation, contract development and execution

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Proposal Teams Encouraged

- One primary proposer with whom NYSERDA contracts
- Include partners w/ necessary skills; commitments
- Letters of support
- NYSERDA will help you seek partners; deadline 8/28/09 sign up at http://www.nyserda.org/demandside/listserv.asp

Cost Share

- 50% development and demo / 30% technical study
- 'Skin in the game'
- Co-funding
- In-kind; services, labor, materials, discounts

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Remember

- Collaboration email deadline 8/28/09 - sign up at http://www.nyserda.org/demandside/listserv.asp
- Round #1 Deadline October 1st, 2009 5 pm EST by post
- Go to PON 1151 website http://www.nyserda.org/demandside

Further Questions

- PON 1151 website http://www.nyserda.org/demandside/contactUs.asp
- Email demandside@nyserda.org – subject line: question
- Tony Abate awa@nyserda.org 518-862-1090 x3522

Looking forward to Your proposals!!!