

# Energy Curtailment Specialists, Inc.

New York's  
Demand Response  
Market Enhancements

Price Responsive Load  
Working Group Meeting  
January 31, 2007

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# New York's Demand Response 2006 Market Changes

*Change Peak Hours*

*12:00 pm to 8:00 pm*

*Portfolio Deficiencies*

*Calculation deficiencies under portfolio*

*eliminate customer by customer deficiencies*

*Assign Class Average for New Resources*

*Rules and Implementation under review*

*Change EFORd to Seasonal Performance Factor*

*EFORd calculated by Season*

*eliminate 12 month rolling average*

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# Phase II ICAP Automation

- Create Sub-working group
  - NYISO and RIP collaborative effort
  - Sub-working group reports to PRL
- RIPS Participation
  - Ensures end user satisfaction
  - Provides NYISO with functionality benefits

# Phase II ICAP Automation

- Phase II System Upgrades
  - Upload/Download Functionality:
    - Seasonal registration
    - New/Updated registrations
    - Performance Data
  - Web Application
    - Add/Delete customer via application
    - View Performance data via application
      - Customer level & RIP level

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# Phase II

## ICAP Automation

- Benefits
  - Registration
    - Easier seasonal renewal
    - New customers
    - Elimination of spreadsheet reporting
  - Easier Reporting
    - Timely event data reporting
    - Less manual intervention
  - Data Integrity
    - Elimination of potential errors

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# Resource Testing

- Multiple Tests

- Allow/Activate more than one test during capability period when no events are called
- Allow for retesting within 30 days

- Basis

- Customer has greater opportunity to perform in capability period
- Events predicable, tests unexpected
- Generators free to test under best conditions within four month period

- Benefits

- Resource does not live or die by one test, if no event
- Customer allowed to make better business decision with knowledge of additional test

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# Targeted Demand Response New York City

## ● Barriers to Approach

- Increased calls for some customers
- Increased risk of resource performance
- Customers may leave program/market
- RIPs avoid locations with increased call history
- Clear understand of event triggers

## ● Benefits

- Avoid calling customers that aren't needed
- Targeted relief for Con Ed system

\*\*\*Barriers appear to outweigh the benefits

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# Targeted Demand Response New York City

- Proposal
  - Out of Market Solution
    - Additional compensation mechanism
    - Develop program with Con Ed
    - Clearer understanding of event triggers



# Implement Portfolio Performance Factor

## ? Allow RIPs to Manage Portfolio

### ? RIPs contract with NYISO

? RIP/NYISO contract for # of MW

? 10 MW sold/10 MW delivered portfolio should be 100%

### ? RIPs Manage their risk

? Allows RIP to manage demand portfolio

? Greater incentive to provide additional MW

### ? RIPs maintain customer relationship

? RIP calls customer to assist RIP in meeting their obligation to grid

? Some customers can provide more kW to assist RIP

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# Implement Portfolio Performance Factor

- Portfolio Performance Factors
  - Calculate locational performance factors for each RIP based on aggregate performance
  - Aligns value provided to grid and RIP performance factor
    - Ensures that 10 MW sold/10 MW delivered
    - RIP receives 100% performance factor
- Portfolio Based Performance Usage
  - New Resources (current rule)
  - Determining Deficiencies (current rule)
  - Locational Performance Factors for RIP (proposed rule)

# Portfolio Based Performance

- Supported by:
  - Ace Energy, Inc.
  - Energy Analytics, Inc.
  - Energy Curtailment Specialists, Inc.
  - Energy Enterprises, Inc.
  - EnerNOC, Inc.
  - Innoventive Power LLC
  - Webenergy.net, Inc. d/b/a ConsumerPowerline

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# Questions ?

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