Demand Response Program Management System Status Update

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RFI Update

- 07/28/08: RFI issued to 11 vendors
- 08/11/08: Conference call for vendor questions
- 08/15/08: Seven responses received
- 09/03/08: Internal review of responses
  - *Primarily hosted solutions*
- Next steps:
  - *Complete the Functional Requirements Specification (FRS)*
  - *Prepare and issue Request for Proposal (RFP)*
    - Late Q4 2008: Issue RFP
    - Q1 2009: RFP Responses, contract with vendor

Requirements sent in RFI

- Process Program Enrollment

- Review Registration Exceptions

- Maintain Resources

- Store and Process Data for Performance

- Group Resources and Calculate Capacity Values

- Aggregation Management

- Creation of Scarcity Pricing and Notification Files

- Reporting Capabilities

- Automate Payment Calculations and Processing

- Notification Capabilities

- Automate Data Submission, CBL & Performance Calculations

- Maintain Historical Data

Demand Response Program Management System Features and Functions

New	Security	Flexibility & Configurability
	Web Interface	Event and Meter Data Management

Manual functions	Performance and Certification (SCR)
	Event Performance and Settlement

Core functionality	**Reporting** *Standard reports, Ad hoc reporting capabilities, Imports/Exports*
	Event Notification
	Demand Response Registration Processing *Enrollment, Approval, Aggregation management*

Demand Response Program Registration Processing

- Add/Edit CSP/RIP

- Add/Edit Resource

- Assign Resource to Aggregation

- Registration Approval Process

  - *Registration Status*

  - *Incomplete & Duplicate registrations*

- Capability Period Re-enrollment

Notification & Reporting

- Notification
  - *DR event management*
  - *Track CSP/RIP responses*
  - *Interfaces to NYISO systems (scarcity pricing)*
  - *Test notification system*

- Reporting
  - *Generate standard reports*
  - *Ad-hoc reporting capabilities*

Performance Functions

- Performance and Certification (SCR)
  - *ICAP to UCAP processing*
  - *SCR performance factor calculations*

- Event Performance and Settlement Preparation
  - *Baseline calculations (APMD, CBL)*
  - *Hourly capacity performance*
  - *Hourly energy calculations*
  - *Settlement preparation*
  - *Special event processing for overlap with DADRP and DSASP*

Event and Meter Data Management

- Import event data (current process)
  - *CSP/RIP processes event data and submits performance data in existing formats*

- Import meter data
  - *Hourly interval data for event and CBL periods*
  - *NYISO performs baseline and performance calculations*

- Collect meter data from devices
  - *NYISO polls meters directly for collection of interval data on a near real-time basis*
  - *NYISO performs Validation, Estimation and Editing*
  - *NYISO performs baseline and performance calculations*

Web Interface for Market Participants

- Register and Maintain Resources
  - *Registration status*
  - *Aggregation Management*
  - *Re-enrollment*
  - *Meter setup (to enable NYISO collection)*
- Notification
  - *Submit response estimates*
- Reporting
  - *Standard reports*
  - *Ad-hoc reporting (limited)*
  - *Export capabilities*
- Data submission
  - *Event data (current process)*
  - *Meter data*

Security and Configurability

- Security

  - *Physical security*

  - *Application security*

  - *Security Monitoring*

  - *Disaster Recovery and Business Continuity*

- Configurability

  - *Flexible structure to quickly accommodate changes to program requirements*

  - *Configurable business rules*

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The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and provides comprehensive reliability planning for the state's bulk electricity system.

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