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ICAP Automation Project Overview

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Overview - Discussion Points

- **Background**
- **Features**
- **Benefits**
- **Changes**
- **Upload Capability**
- **Download Capability**

Overview

- **Background**
  - ✓ *NYISO desired a replacement to the manual process being used (i.e., e-mail and Excel spreadsheets)*
  - ✓ *NYISO desired to create a user friendly interface for Market Participants (MPs) to conduct their ICAP business*
  - ✓ *Project has been underway for over two years*
  - ✓ *Two demonstrations have been given to date to gather MP input and feedback*

Overview

- **Background**
  - ✓ *Project scope was reduced so as to provide some functionality more quickly in 2005*
  - ✓ *Plans to provide additional future functionality are under development*
  - ✓ *Current business practices require a business case be developed for additional functionality – your feedback and support are welcome*

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Overview

- **Features**
  - ✓ *Web-based application*
  - ✓ *All current ICAP activities <u>will not</u> be available in this first release of the application*
  - ✓ *Available features*
    - • **Transmission Owners (TOs) will enter load forecast and load-shift information**
    - • **Load-Serving Entities (LSEs) will view their UCAP requirements**

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Overview

- ## Features - continued
  - ✓ *MPs will enter bids and offers for the strip, monthly and Spot Market auctions*
  - ✓ *MPs will view market results of auctions and their individual auction awards*
  - ✓ *MPs will provide certification information; only bilateral transaction information will be required*

Overview

- **Features – continued**
  - ✓ *Suppliers will enter Dependable Maximum Net Capability (DMNC) and Proven Maximum Production Capability (PMPC) information*
  - ✓ *Suppliers may view their DMNC and PMPC information over an entire Capability Period*
  - ✓ *Suppliers may view their Resources' Effective Forced Outage Rate on Demand (EFORd) ratings over a Capability Period*

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Overview

- **Features – continued**
  - ✓ *MPs may view their consolidated billing summary for a Capability Period – daily load-shift and load-shift true-up information available*
  - ✓ *An MP may view the schedule of ICAP market activities through an Event calendar*

Overview

- **Features not in Initial Deployment**
  - ✓ *Special Case Resources and Emergency Demand Response Program*
    - • **Registration, reporting of event data, calculation of EFORd, maintaining strike price information**
  - ✓ *Request and track External Import Rights and Unforced Deliverability Rights*
  - ✓ *Submit GADS data*
  - ✓ *Include EFORd calculations*
  - ✓ *Integrate with credit function*

Overview

- **Benefits – NYISO**

  - ✓ *Significantly reduces risk of errors which may be introduced through manual processes*

  - ✓ *Reduces resource time required to manually populate and maintain current databases*

  - ✓ *Increases resource time to fully validate process results and provides time to develop additional analysis and reporting capability*

Overview

- **Benefits – MPs**
  - ✓ *Provides a user friendly web-based access to ICAP Market processes*
  - ✓ *Provides easier access to ICAP market auction results and consolidated billing*
  - ✓ *Auction results will be available faster*
  - ✓ *Faster and easier access to load-shift and load-shift true-up information – TOs no longer required to send load-shift information to LSEs*
  - ✓ *Provides a viewable repository for MP ICAP information*

Overview

- **Benefits – MPs**
  - ✓ *Provides instant feedback on validation of bid/offer and other submissions*
  - ✓ *Time frames will be increased to allow MP access to application at their convenience (24x7) – bid/offer submittals*
  - ✓ *With the time decrease for posting auction results, MPs will have more time to arrange transactions in the bilateral market*

Overview

- ## Benefits – MPs

  - ✓ *Easy tracking of mitigated capacity purchases*
  - ✓ *ICAP market available collateral will be readily available*
  - ✓ *Download capability available for most ICAP market information*
  - ✓ *Data is completely secure*

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Overview

- **Changes - TOs**
  - ✓ *Load-shift and load-shift true-up information must be provided with at most three decimals of precision*
  - ✓ *On upload, correct MP names must be provided with load information – MP names are available through drop-downs*
  - ✓ *Con Edison and LIPA must provide two sets of load information, one set for the Locality and the second set for the Transmission District inclusive of the Locality*

Overview

- **Changes - MPs**

  ✓ *Point Identifiers (PTIDs) cannot be provided on offers for strip and monthly auctions other than external generators*

  ✓ *Resources not modeled in the MIS (i.e., Special Case Resources and Municipal generators) will be assigned a new PTID – the PTID provided under the current system will not be valid*

For Discussion Only

Overview

- **Changes - MPs**
  - ✓ *Mitigated capacity being re-sold must be offered by mitigated generator group – application will ensure that mitigated capacity is not sold greater than its price cap*
  - ✓ *Bids for the purchase of capacity from a specific external location will no longer be allowed*
    - any external capacity purchased will be identified as Rest-of-State (ROS). The external capacity purchased will be included in a blended market-clearing price for ROS capacity.

Overview

- **Changes - MPs**
  - ✓ *Prior to acceptance as a valid transaction, a bilateral must be confirmed by the other party to the transaction*
  - ✓ *Correct MP names must be provided with each bilateral transaction submitted – MP names will be available through a drop-down*
  - ✓ *Certification must take place through the web interface – no upload capability available*

Overview

- ## Changes - General

  - ✓ *Once deployed, all MPs trading ICAP must use the web-based application*

    - **All MPs, or their billing agents, must be Customers of the NYISO**

    - **Suppliers and marketers must sign the ICAP Purchase and Sale Agreements**

    - **LSEs must sign ICAP Purchase Agreement**

  - ✓ *All MPs trading ICAP must change their password to support changes made to security architecture*

Overview

- **Upload Capability Available**
  - ✓ *Transmission Owners (TOs) may enter load forecast and load-shift information*
  - ✓ *MPs may enter bids and offers for the strip, monthly and spot market auctions*
  - ✓ *Suppliers may enter Dependable Maximum Net Capability (DMNC) and Proven Maximum Production Capability (PMPC) information*

Overview

- **Download Capability Available**
  - ✓ *LSE UCAP requirements*
  - ✓ *LSE & TO load-shift and load-shift true-up information*
  - ✓ *Total bids/offers for the strip and monthly auctions by Locality*
  - ✓ *Total offers for the Spot Market auction by Locality*
  - ✓ *Market results of auctions*
  - ✓ *Certification information*
    - **Allocation of sales to generators**
    - **Bilateral transactions**
    - **By auction, MW purchased and sold by Locality**
  - ✓ *DMNC results*