

TCC Automation Project Update

Technical Conference Spring 2008
March 27, 2008

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TCC Automation Project

- *Envisioned as a multi-track project*
 - Phase 1 posting of awards information was delivered 05/06; posting of invoice delivered 01/07
 - Phase 2 inventory management database
 - Phase 3 bids and offers
- *Will integrate the TCC market processes into an automated web based solution*
- *Iterative development*
- *Project phases are meant to satisfy the most urgent, risk reducing and practical needs*

TCC Automation Project

Phase 2 – Market Benefits

- *Improves data integrity, data security and the efficiency of the market*
- *Mitigates risk associated with manually entering and managing data*
- *Facilitates business processes of MPs and the NYISO*
- *Easier for MPs to do business with the NYISO*

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TCC Automation Project

Phase 2 – TCC Inventory Management

- *Considered the primary component of the TCC Automation Project*

✓ Summary of major functions for MPs

- *Views of Inventory by a variety of parameters - contract dates, contract types, period of time*
- *Automation of the ETCNL/RCRR Nomination process*
- *Change of ownership for entire contract*
- *Sell a portion for remainder of contract*
- *Collateral offsetting*

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TCC Automation Project

Phase 2 – TCC Inventory Management

- *Enhanced Reporting*
 - Details of TCC Contract Maintenance Report (MPs)
 - MW Available for Sale Report (MPs)
 - Residual TCC and ETCNL Revenue Report (TOs)
 - Summary of Transmission Contracts Report (public)
 - » Historic
 - » Current
- *Improved User Interface*
 - Will utilize more advanced browser technologies (AJAX & JavaScript)

View Inventory



**TCC Market**
Building The Energy Markets Of Tomorrow...Today

Search Offsetting Nominations Queue Admin Reports Log Out

TCC ID: Participant:
Type: POI: POW: Status:

(Click here to hide results)

TCC ID	Participant Name	Type	TCC End Date	POI	PO
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All

ETCNL TCCs

Grandfathered Rights

Grandfathered TCCs

Inventory TCCs

Long Term TCCs

RCRR TCCs

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Search Offsetting Nominations Queue Admin Reports Log Out

TCC ID: Participant:
Type: POI: POW: Status:

(Click here to hide results)

TCC ID	Participant Name	Type	TCC Start Date	TCC End Date	POI	PO
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All

Valid

Invalidated

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ETCNL Nomination



ISO NEW YORK INDEPENDENT SYSTEM OPERATOR **TCC Market**
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Season: Year: ETCNL Holder: ETCNL Set: POI: POW:

(Click here to hide results)

Season	Year	Holder of ETCNL	Name of Set of ETCNL	POI	POW	Tx Capacity (MW)	ETCNL Sold in Previous Auctions (MW)	ETCNL Reduction to Ensure Feasibility (MW)
<div> <div> Season: <input type="text" value="All"/> <input type="button" value="Search"/> </div> <div> ETCNL Set: <input type="text" value="All"/> <input type="button" value="Search"/> </div> <div> POI: <input type="text" value="All"/> <input type="button" value="Search"/> </div> <div> POW: <input type="text" value="All"/> <input type="button" value="Search"/> </div> </div>								

ETCNL Detail

Ensure	Remaining ETCNL Capacity (MW)	ETCNL Reservation (5%) Based on Total ETCNL Capacity (MW)	TO Nominations of ETCNL Reservations (MW)	Nominate
				<input type="checkbox"/>

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RCRR Nomination



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Season: All Year: All Interface: All From Zone: All To Zone: All TO: Search

(Click here to hide results)

Season	Year	From Zone	To Zone	TO	RCRR Available (MW)
<div><div><div>ISO NEW YORK INDEPENDENT SYSTEM OPERATOR Building The Energy Markets Of Tomorrow...Today</div><div>Search Offsetting Nominations</div><div>Season: All All Spring Summer Autumn Winter</div></div><div><div>TCC Market w...Today</div><div>min Reports Log Out</div><div>Interface: All All Dysinger East West Central Volney East Moses South Total East UPNY SENY UPNY ConEd Millwood South Dunwoodie South ConEd LIPA</div></div><div><div>From Zone: All All Capital Central Dunwoodie Genesee Hudson Valley Millwood Mohawk Valley North West</div></div><div><div>To Zone: All All Capital Central Dunwoodie Genesee Hudson Valley Long Island Millwood Mohawk Valley New York City</div></div></div>					
<div><div><div>RCRR Detail</div><div>Search</div></div><div><div>RCRR Available (MW)</div><div>RCRR Nominations (MW)</div><div>Nominate</div></div></div>					

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Change Ownership/Sell a Portion for Remainder of Contract



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TCC Market

Search Offsetting Nominations Queue Admin Reports Log Out

TCC ID: Participant: Type: All POI:

Search found 31 results matching your criteria (Click here to hide results)

TCC ID	Participant Name	Type	TCC Start Date
		Inventory TCCs	11/01/2004

Inventory

POW: Status: All Start of Active Date Range: End of Active Date Range: Search

Download Profiles Change Ownership

TCC End Date	POI	POW	Summer MW	Winter MW	Ref TCC ID	Status	Details	Actions
04/30/2005	23543	61752	5.0	5.0		Valid	Details	Sell a Portion <input type="text"/> GO

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Detail



General

TCC ID: [REDACTED] Type: Inventory TCCs MP Name: [REDACTED] Start Date: 11/01/2004
 Surcharge Exempt: N Ref TCC ID: Status: Valid

Inventory Type Specific

Auction Code: Round Title: Season: Year: Version:
 Off-Peak: 24-Hour:

[View External Comments](#)

[Maintenance History](#)

[Profile](#)

[Related Contracts](#)

Transactions

Tx Id ▲	Tx Type	Tx Date	Tx Start Date	Tx End Date	New MP	Auction ID	Offer C
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Inventory Details

1/2004 End Date: 04/30/2005 POI: 23543 POW: 61752 Summer MW: 5.0 Winter MW: 5.0

Transaction ID: MCP: Bid Code: Component: On-Peak:

Offer Code	Related TCC Id	Delta Summer	Delta Winter	Status	Update By	Update Date	External Comments
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Request for Collateral Offset



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Search Offsetting Nominations Queue Admin Reports Log Out

Request TCCs for Collateral Offsetting and Cancellation

MP Name:

Select TCC's for request group

Filter TCC By: POI POW TCC End Date

TCC ID	Start Date	End Date	POI	POW	MW
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TCC's selected for Offset and Cancellation

TCC ID	Start Date	End Date	POI	POW	MW
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Request Offset

Total MW Avail. for Offset	First Date Avail. for Offset	MCP	Action
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Total MW Avail. for Offset	First Date Avail. for Offset	MCP	Action
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View Status

A screenshot of the "TCC Market" interface. At the top, there is a blue header bar with the ISO logo on the left and the text "TCC Market" on the right. Below the header is a navigation bar with links: "Search", "Offsetting", "Nominations", "Queue", "Admin", "Reports", and "Log Out". The main content area has a light gray background. On the left, there is a label "MP Name:" followed by a green input field and a small downward arrow. To the right of this is a label "Status:" followed by a dropdown menu. The dropdown menu is open, showing a list of status options: "All", "Created", "TMO Approved", "Approved", "Nullified", "Declined", and "Second Party Approved". A mouse cursor is pointing at the "All" option. To the right of the dropdown menu is a blue button labeled "Select".

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Search Offsetting Nominations Queue Admin Reports Log Out

MP Name: Status:

- All
- Created
- TMO Approved
- Approved
- Nullified
- Declined
- Second Party Approved

Select

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Enhanced Reporting

Generate Reports

Format: HTML Generate

MP:

Active Range Start Date

Active Range End Date

☐ Create MW Available for Sale Report

MP:

Active Range Start Date

Active Range End Date

Update Range Start Date

Update Range End Date

☐ Create Detailed Maintenance Extract

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TCC Automation Project

✓ Phase 2 Status

- *Iterative development complete*
- *Quality Assurance and User Acceptance Testing are underway*
- *Market trials planned for June time period*
- *Planned deployment Q3 of this year*

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TCC Automation Project

Phase 3 – Automation of Bids and Offers

- *Improves data integrity, data security and the efficiency of the market*
- *Immediate data validation for bids and offers, excluding credit*
 - Mitigates MP risk associated with manually entering and managing data
 - Credit requirements will continue to be validated manually.
- *Facilitates business processes of MPs and the NYISO*

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TCC Automation Project

Phase 3 – Bid and Offer Automation

- ✓ Summary of proposed major functions for MPs
 - *Management of bids and offers through user interface and/or file upload*
 - *Management of authorization levels*
 - *Enhanced reporting tools*

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TCC Automation Project

Phase 3 – Management of Bids and Offers

- *MPs have the tools to enter and maintain multiple bids /offers prior to submittal to the NYISO*
- *The system will validate entered data per following criteria*
 - Valid POI/POW combination
 - Correct format
- *If invalid data exists in uploaded file the entire file is rejected*
- *If entered data is invalid then that bid/offer is rejected*
- *MPs may copy previously approved sets of bids/offers for use in future auction rounds*

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Phase 3 – Management of Authorization Levels

- *There are two MP privilege levels:*
 - User
 - Authorized User

- *Authorized User authority is necessary to complete the following actions:*
 - Submitting bids/offers, via upload or GUI, for an auction
 - Maintain approved bids/offers
 - Withdraw bids/offers from the auction

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Phase 3 – Enhanced Reporting Tools

- *Invalidated bids and offers for a given round*
- *Download capability for bids and offers*

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QUESTIONS ??

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