

# **TCC Automation Project – Phase 1 (Awards Notification)**



**MSWG**

**May 3, 2006**



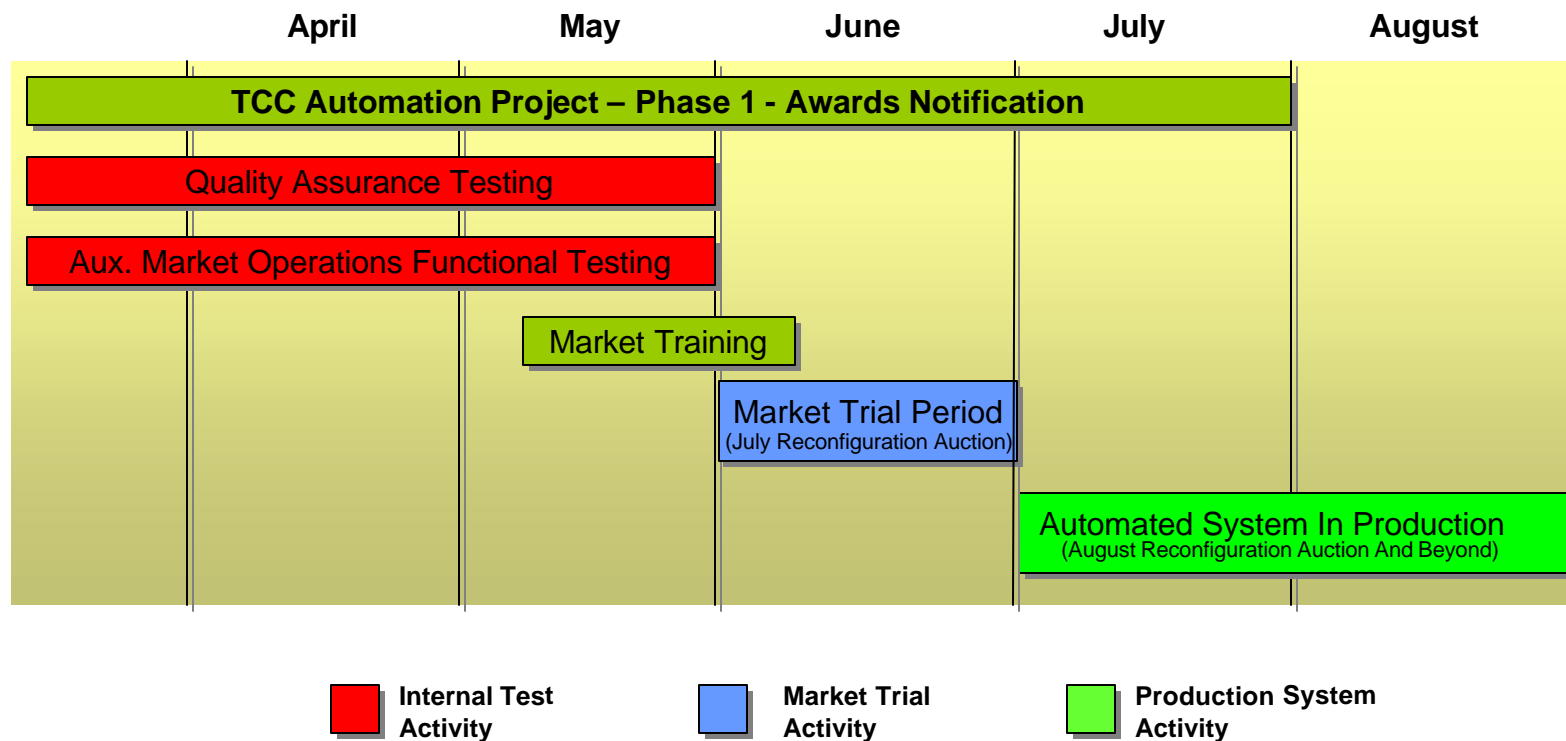
# Phase 1 – Awards Notification

## ■ Highlights

- ✓ ***Bids/Offers continue to be submitted via email using the Excel form posted by the NYISO for each auction.***
  - This process continues as-is and does not change
- ✓ ***This phase automates the communication of Auction Awards via a secure web-based interface***
  - Discontinues email/hardcopy notices of MP specific information
- ✓ ***Existing Excel (or CSV) reports maintained and available directly through the application and public website where appropriate.***
  - In addition, as future auction data becomes available in the automated system, summary reports can be generated for multiple auctions.
- ✓ ***Retires use of temporary TCC IDs for Capability Period Auctions.***
  - The initial ID assigned during an auction round will persist and will be used in BAS.



# TCC Automation – Phase 1 Timeline





# Phase 1 – Market Trial Period

- Beginning in the month of June for the July Reconfiguration Auction
- Early June
  - ✓ *Market Trial system available to test user account access*
- At completion of Monthly Auction (6/21)
  - ✓ *Official auction award notices communicated via legacy methods (email/hardcopy)*
  - ✓ *Award data will also be loaded into Market Trial environment*
    - Information in the automated system to be considered for information only
    - Provides an opportunity for MPs to validate operation of automated system and report issues to the NYISO
    - If any discrepancies – email/hardcopy award notices take precedence



# Phase 1 – Automated System in Production

- Beginning in the month of July for the August Reconfiguration Auction
- Early July
  - ✓ *Production system available to test user account access*
- At completion of Monthly Auction (7/19)
  - ✓ *Official auction award notices communicated via automated web based system*
  - ✓ *No email/hardcopy notices will be provided unless there is a failure of the automated system*



# Phase 1 – Market Trial Access

## ■ User Account

- ✓ ***Can use existing MIS User Name and Password***
  - Must have your MIS administrator enable TCC privileges
- ✓ ***A valid digital certificate is required.***
  - See Technical Bulletin #001 or contact NYISO Customer Relations for assistance with obtaining a digital certificate

## ■ Website and Login

- ✓ ***Via the TCC products web page at:***  
<http://www.nyiso.com/public/products/tcc/index.jsp>
- ✓ ***Under TCC Automated Market – Market Trials System***
  - Select User Login





# Application Access – Sample View

**NYISO (Products - TCC - General Information) - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <http://www.nyiso.com/public/products/tcc/index.jsp> Go

**ISO NEW YORK INDEPENDENT SYSTEM OPERATOR**  
Building The Energy Markets Of Tomorrow...Today

Archives Careers Contact Us FAQ's

Company Newsroom **Products** Market Data Services

**Energy Market**  
**Ancillary Services**  
**ICAP**  
**TCC**  
Info/Announcements  
Auctions  
DAM Marginal Losses  
TCC Manual  
**Demand Response**

**MY NYISO**

Username:   
Password:

**Transmission Congestion Contracts (TCC)**

Transmission Congestion Contracts (TCCs) are contracts that enable energy buyers and sellers to hedge fluctuation in the price of transmission. The holder of a TCC is not required to collect, or the obligation to pay, congestion rents in the Day-Ahead Market for energy associated with a specified point of injection and point of withdrawal.

The NYISO conducts periodic auctions where TCCs may be purchased or sold. The auctions' objective is to maximize the value of the TCC awards based on the bids and subject to transmission line and contingency constraints. An Optimal Power Flow program is used to determine the TCCs awarded in an auction.

**TCC Information & Announcements**  
[TCC Auctions](#)  
[DAM Marginal Losses and Congestion Costs](#)  
[TCC - Rules, Procedures & Guidelines](#)  
[TCC Manual](#)  
[TCC Automated Market](#)

**TCC General Information**  
[User Login](#)

Document Name	Date	Type	Size
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# Main View with drop-down menu of available options after user login

The screenshot displays the ISO New York Independent System Operator website. The header features the ISO logo with the tagline "Building The Energy Markets Of Tomorrow...Today" and the text "Welcome To The Bidding & Scheduling System". A navigation bar includes links for Company, Newsroom, Products, Market Data, Services, and Documents. A drop-down menu is open under the "Company" link, showing a list of options: "View Awards", "View Nodal Prices", "View Awards Summary", "View Binding Constraints", "View MP Award Summary", "View MP Bundled Purchase", "View MP Unbundled Purchase", and "View MP Sale Awards". The menu items are grouped into two categories: "Public" (covering "View Awards", "View Nodal Prices", "View Awards Summary", and "View Binding Constraints") and "MP Specific" (covering "View MP Award Summary", "View MP Bundled Purchase", "View MP Unbundled Purchase", and "View MP Sale Awards"). The footer contains the copyright notice: "© 1999-2005 New York Independent System Operator. All rights reserved."





# View MP Awards Summary

Company
Newsroom
Products
Market Data
Se

View Awards

Auction:
Round 7 (Stage 1) Six Month TCC Auction
Round 7 (Stage 1) Six Month TCC Auction Version(1)
November 2005 Reconfiguration Version(2)
MP:
J. Watt Co
Display

View MP Award Summary

Save as xls
Save as csv

TCC Award Summary

Market Participant:
J. Watt Co

Bids

Number of Bids:
485
Number of Invalid Bids:
0
Total Number of Bids Awarded:
65
Number of Contracts Issued:
65
Total \$ Purchased:
\$154,174.68
Total Support for Holding:
\$391,162.63
Total Support Until Settlement:
\$391,162.63

Due to NYISO/(Owed to MP)

Offers

Number of Offers:
427
Number of Invalid Offers:
0
Total Number of Offers Awarded:
53
Total \$ Sold:
(\$78,647.52)

Due to MP/(Owed to NYISO)

Footer

Stage	Round	Class	Status	Version	Year
b	1	1	Approved	2	2005



# View MP Bundled Purchase

Auction: **Round 7 (Stage 1) Six Month TCC Auction**  
**Round 7 (Stage 1) Six Month TCC Auction Version(1)**  
**November 2005 Reconfiguration Version(2)**

MP: **J. Watt Co** **Display**

## View MP Bundled Purchase Awards

**MP Bundled Purchase Awards**

Seq. #	Participant Code	Bid Code	POI	POW	Stage	Round	Class	POI	POW	BID MW	BUY MW	BID PRICE	MCP	Total \$	Credit Support	Start Date	End Date	Auction Season and Year	Status	Version
1000	99	5	99010	76512	b	1	1	99010	76512	5	5	\$1,200.00	\$333.49	\$1,667.45	\$1,667.45	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1001	99	17	99013	76615	b	1	1	99013	76615	5	5	\$0.00	(\$860.12)	(\$4,300.60)	\$4,300.60	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1002	99	23	99016	76718	b	1	1	99016	76718	10	10	(\$500.00)	(\$860.12)	(\$8,601.20)	\$601.20	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1003	99	36	99019	76821	b	1	1	99019	76821	5	5	(\$400.00)	(\$1,100.55)	(\$5,502.75)	\$5,502.75	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1004	99	41	99022	76924	b	1	1	99022	76924	4	4	\$14,300.00	\$13,932.42	\$55,729.68	\$55,729.68	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1005	99	43	99025	77027	b	1	1	99025	77027	5	5	(\$600.00)	(\$1,200.25)	(\$6,001.25)	\$6,001.25	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1006	99	68	99028	77130	b	1	1	99028	77130	1	1	(\$6,000.00)	(\$7,216.39)	(\$7,216.39)	\$7,216.39	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1007	99	69	99031	77233	b	1	1	99031	77233	5	2	(\$400.00)	(\$400.00)	(\$800.00)	\$800.00	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1008	99	70	99034	77336	b	1	1	99034	77336	5	5	\$1,000.00	\$399.16	\$1,995.80	\$1,995.80	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1009	99	73	99037	77439	b	1	1	99037	77439	1	1	(\$6,000.00)	(\$6,480.96)	(\$6,480.96)	\$6,480.96	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1010	99	74	99040	77542	b	1	1	99040	77542	5	5	\$1,200.00	\$1,199.41	\$5,997.05	\$5,997.05	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
														<b>\$26,486.83</b>	<b>\$96,293.13</b>					

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# View MP Unbundled Purchase

Auction: **Round 7 (Stage 1) Six Month TCC Auction**  
**Round 7 (Stage 1) Six Month TCC Auction Version(1)**  
**November 2005 Reconfiguration Version(2)**

MP: **J. Watt Co** **Display**

**View MP Unbundled Purchase Awards**

**Save as xls** **Save as csv**

**MP Unbundled Purchase Awards**

Seq. #	OPF #	Participant Code	Bid Code	POI	POW	Stage	Round	Class	POI	POW	BID MW	BUY MW	BID PRICE	MCP	Total \$	Permanent TCC ID	Start Date	End Date	Auction Season and Year	Status	Version
1000	N	99	5	99010	76512	b	1	1	99010	76512	5	5	\$1,200.00	\$333.49	\$1,667.45	166801	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1001	N	99	17	99013	76615	b	1	1	99013	76615	5	5	\$0.00	(\$860.12)	(\$4,300.60)	166808	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1002	N	99	23	99016	76718	b	1	1	99016	76718	10	10	(\$500.00)	(\$860.12)	(\$8,601.20)	166815	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1003	N	99	36	99019	76821	b	1	1	99019	76821	5	5	(\$400.00)	(\$1,100.55)	(\$5,502.75)	166822	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1004	N	99	41	99022	76924	b	1	1	99022	76924	4	4	\$14,300.00	\$13,932.42	\$55,729.68	166829	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1005	N	99	43	99025	77027	b	1	1	99025	77027	5	5	(\$600.00)	(\$1,200.25)	(\$6,001.25)	166836	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1006	N	99	66	99028	77130	b	1	1	99028	77130	1	1	(\$6,000.00)	(\$7,216.39)	(\$7,216.39)	166843	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1007	N	99	69	99031	77233	b	1	1	99031	77233	5	2	(\$400.00)	(\$400.00)	(\$800.00)	166850	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1008	N	99	70	99034	77336	b	1	1	99034	77336	5	5	\$1,000.00	\$399.16	\$1,995.80	166857	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1009	N	99	73	99037	77439	b	1	1	99037	77439	1	1	(\$6,000.00)	(\$6,480.96)	(\$6,480.96)	166864	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1010	N	99	74	99040	77542	b	1	1	99040	77542	5	5	\$1,200.00	\$1,199.41	\$5,997.05	166871	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1011	N	99	76	99043	77645	b	1	1	99043	77645	1	1	(\$6,000.00)	(\$6,477.08)	(\$6,477.08)	166878	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2

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# View MP Sale Awards

Auction: Round 7 (Stage I) Six Month TCC Auction  
Round 7 (Stage I) Six Month TCC Auction Version(1)  
November 2005 Reconfiguration Version(2)

MP: J. Watt Co Display

**View MP Sale Awards**

Save as xls
Save as csv

MP Sale Awards																				
Seq. #	Participant Code	Offer Number	POI	POW	Stage	Round	Class	POI	POW	OFFER MW	SOLD MW	OFFER PRICE	MCP	Total \$	Contract Number	Start Date	End Date	Auction Season and Year	Status	Version
1000	99	5	99010	76512	b	1	1	99010	76512	5	5	\$1,200.00	\$333.49	\$1,667.45	1667	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1001	99	17	99013	76615	b	1	1	99013	76615	5	5	\$0.00	(\$860.12)	(\$4,300.60)	4301	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1002	99	23	99016	76718	b	1	1	99016	76718	10	10	(\$500.00)	(\$860.12)	(\$8,601.20)	6012	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1003	99	36	99019	76821	b	1	1	99019	76821	5	5	(\$400.00)	(\$1,100.55)	(\$5,502.75)	5503	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1004	99	41	99022	76924	b	1	1	99022	76924	4	4	\$14,300.00	\$13,932.42	\$55,729.68	5572	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1005	99	43	99025	77027	b	1	1	99025	77027	5	5	(\$600.00)	(\$1,200.25)	(\$6,001.25)	6001	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1006	99	68	99028	77130	b	1	1	99028	77130	1	1	(\$6,000.00)	(\$7,216.39)	(\$7,216.39)	7216	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1007	99	69	99031	77233	b	1	1	99031	77233	5	2	(\$400.00)	(\$400.00)	(\$800.00)	8001	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1008	99	70	99034	77336	b	1	1	99034	77336	5	5	\$1,000.00	\$399.16	\$1,995.80	1996	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1009	99	73	99037	77439	b	1	1	99037	77439	1	1	(\$6,000.00)	(\$6,480.96)	(\$6,480.96)	6481	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
1010	99	74	99040	77542	b	1	1	99040	77542	5	5	\$1,200.00	\$1,199.41	\$5,997.05	5997	11/01/2005	11/30/2005	Winter 2005-2006	Approved	2
														<b>\$26,486.83</b>						





# Summary

- **TCC Automation - Phase 1 Changes**
  - ✓ *TCC Auction Award notification process only; Not Bid/Offer submission*
  - ✓ *Elimination of temporary TCC IDs in capability period auctions*
- **User Access**
  - ✓ *Remind TCC users that they need to obtain digital certificates from the NYISO and;*
  - ✓ *Must obtain an MIS account with TCC privileges from their MIS administrator.*
- **Training**
  - ✓ *Self-directed web based training will be available in mid-May.*
  - ✓ *A live webex walk-thru and question/answer session is also planned for late May or early June.*
- **Communication**
  - ✓ *We will be sending updates and information about the automation directly to our list of TCC auction participants and;*
  - ✓ *Will continue to provide further information regarding the Market Trial and Deployment Schedule to the committees and working groups.*