Balance-of-Period TCC AMS Design Changes

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Project Manager

Design WebEx

April 6, 2017 Teleconference



Agenda

- Project Overview
- Review of TCC Automated Market System (AMS)Changes
- Review of Data Reporting Changes
- Next Steps



Project - Overview

- The Balance-of-Period (BoP) project is intended to replace the current monthly Reconfiguration Auction structure with a new monthly BoP TCC auction structure
 - Unlike the current single month Reconfiguration Auction structure, the monthly BoP TCC auctions will provide Market Participants (MPs) the ability to purchase and sell TCCs for all remaining months of a Capability Period
- The project also includes enhancements to the credit requirements for TCCs
 - The enhancements, in part, leverage the additional TCC market-clearing price data that will be made available by the BoP TCC auctions to recalculate TCC collateral holding requirements on a monthly basis



Digital Certificates

- All users must have a NAESB-compliant digital certificate linked to their MIS user name by May 1, 2017 in order to access NYISO applications.
- For instructions on obtaining and using a NAESB-compliant digital certificate, refer to the NYISO Market Participant User's Guide, available from the NYISO Web site:
 http://www.nyiso.com/public/markets_operations/documents/manuals_guides/index.jsp

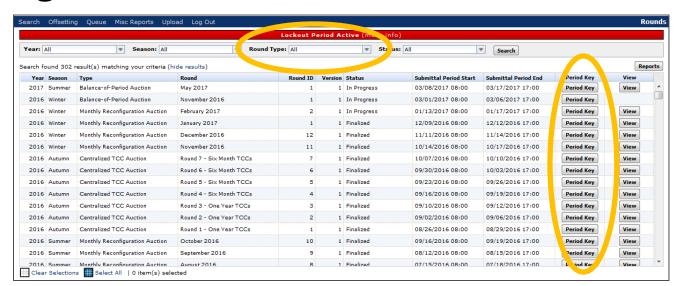
Changes To The View Rounds Screen In The TCC AMS



View Rounds

Slight changes were made to the View Rounds

screen

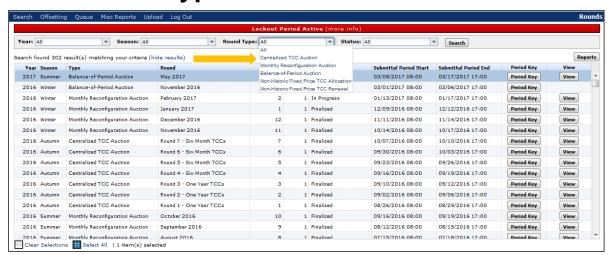




Rounds - Filters

New Balance-of-Period Round Type

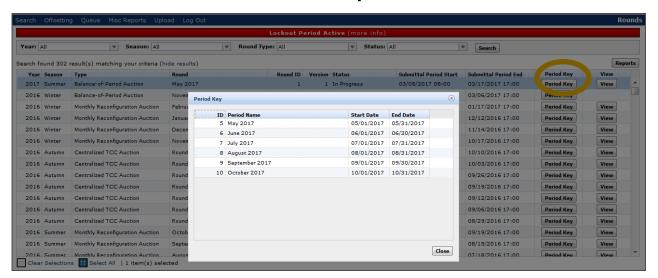
added to the filter





Rounds – Period Key

Select Period Key on a Balance-of-Period round to view period details



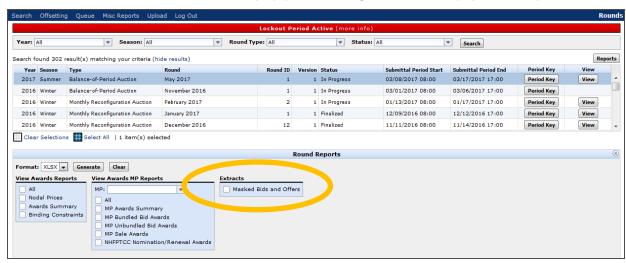


Changes To Reporting To Support Balance-of-Period



AMS Reports and Extract

- Reports accessed in same way
- Masked Bids and Offers Extract now available through the TCC AMS
 - Masked bid/offer data will also continue to be published on the NYISO website: http://mis.nyiso.com/public/P-27list.htm





Nodal Price Report

5 new columns added to report

Nodal Pric	e							
Summer 2	016							
Balance-o	f-Period Auction							
May 2016								
Version #1	Ĺ							
Current St	atus - Approv							
Posted: F	Luary 16, 2017							
	-							
				Period				
				Duration				Nodal Price
				(# of				(\$/TCC-Period
Period ID	Period Name	Start Date	End Date	months)	P ID	PTID Name	Zone	Duration)
5	May 2016	05/01/2016	05/31/2016	1	23512	ARTHUR_KILL_2	N.Y.C.	(\$1,005.00
5	May 2016	05/01/2016	05/31/2016	1	23523	ASTORIA_GT_1	N.Y.C.	\$44,199.64
5	v 2016	05/01/2016	05/31/2016	1	23531	INDIAN POINT3	MILLWD	\$7,189.71
5	May 2016	00/01/2010	U5/31/2016	1	23545	BARRETT 1	LONGIL	(\$8,005.00
6	June 2016	06/01/2016	06/30/2016	1	23523	ASTORIA_GT_1	N.Y.C.	\$85,057.05
6	June 2016	06/01/2016	06/30/2016	1	23531	INDIAN POINT 3	MILLWD	\$54,302.50
6	June 2016	06/01/2016	06/30/2016	1	23545	BARRETT1	LONGIL	(\$6.00
7	July 2016	07/01/2016	07/31/2016	1	23523	ASTORIA_GT_1	N.Y.C.	(\$10,006.00
	July 2016	07/01/2016	07/31/2016			INDIAN POINT 3	MILLWD	(\$10,005.00
7	July 2010	07/01/2010	07/31/2010	_	20001		IVIIICETTO	(920,000.00



Awards Summary Report

5 new columns added to report

Summary	of Awards													
Summer 2														
	f-Period Auction													
May 2016														
Version #														
	tatus - Approved													
Posted: F	ehr: , 20, 2017													
				Period										
				Duration										
				(# of								Award	TCCs	MCP (\$/TCC-
Period ID	Period Name	Start Date	End Date	months)	POI	POI Name	POI Zone	POW	POV	V Name	POW Zone	Type	Awarded	Period Duration
5	May 2016		05/31/2016		23f 3	GINNA	GENESE	323628	MADISON_	_COUNTY_LFGE	MHK VL	Bid	5	\$35,450.00
5	May 2016	05/01/2016	05/31/2016	1	2 512	ARTHUR_KILL_2	N.Y.C.	23657	HUDSON AV	E_GT_5	N.Y.C.	Bid	2	\$3,996.00
5	May 2016	05/01/2016	05/31/2016	1	23528	NEG_PENN_ALLEGHNY	CENTRL	23818	FREEPORT_	_CT2	LONGIL	Offer	2	(\$14,036.00
			05/31/2016		23543	KINTIGH	WEST	23514	ALLEGHENY_	COGEN		Bid	2	\$16,558.00
6	June _	06/01/2016	UE/201			BARRETT_IC_2	LONGIL	24214	PPL_SHRM_0	GT4	LONGIL	Offer	4	\$5,521.00
6	June 2016	06/01/2016	06/30/2016	1	23512	ARTHUR_KILL_2	N.Y.C.	23657	HUDSON AV	E_GT_5	N.Y.C.	Bid	2	\$3,996.00
6	June 2016	06/01/2016	06/30/2016	1	23528	NEG_PENN_ALLEGHNY	CENTRL	23818	FREEPORT_	_CT2	LONGIL	Bid	2	(\$14,036.00
7	July 2016	07/01/2016	07/31/2016	1	23570	LYONS_FALL_HYD	MHK VL	323688	BAYONEEC_	_CTG7	N.Y.C.	Bid	3	\$36,100.00
7	July 2016	07/01/2016	07/31/2016	1	23512	ARTHUR_KILL_2	N.Y.C.	323685	BAYONEEC_	_CTG4	N.Y.C.	Bid	2	(\$44,150.00
7	July 2016	07/01/2016	07/31/2016	1	23528	NEG_PENN_ALLEGHNY	CENTRL	323563	PINELAWN_	CC_1	LONGIL	Bid	2	(\$14,556.00
8	August 2016	08/01/2016	08/31/2016	1	23600	ST LAWRENCE	NORTH	323629	CHAUTAUQU	JALFGE	WEST	Offer	3	\$4,016.00
8	August 2016	08/01/2016	08/31/2016	1	23527	ADK_NYSDAM	CAPITL	23704	BARRETT_IC	_1	LONGIL	Bid	2	\$6,560.00
8	August 2016	08/01/2016	08/31/2016	1	23540	HUDSON AVE_GT_4	N.Y.C.	23776	E_FISHKILL_	_LBMP	MILLWD	Bid	2	\$34,696.68
9	September 2016	09/01/2016	09/30/2016	1	323696	MARBLE_RIVER_WT_PWR	NORTH	23530	INDIAN POI	NT2	MILLWD	Bid	3	(\$12.00
	September 2016				23527	ADK_NYSDAM	CAPITL	23704	BARRETT_IC	_1		Offer	2	
9	September 2016				23540	HUDSON AVE_GT_4	N.Y.C.	23776	E_FISHKILL_	_LBMP	MILLWD	Bid	2	\$34,696.68
10	October 2016	10/01/2016	10/31/2016	1	323696	MARBLE_RIVER_WT_PWR	NORTH	23530	INDIAN POI	NT2	MILLWD	Bid	3	(\$12.00
10	October 2016	10/01/2016	10/31/2016	1	23527	ADK_NYSDAM	CAPITL	323564	BETHPAGE_C	CC_5	LONGIL	Offer	2	\$6,560.00
10	October 2016	10/01/2016	10/31/2016	1	23540	HUDSON AVE GT 4	N.Y.C.	323682	BAYONEEC	CTG1	N.Y.C.	Bid	2	(\$4,758.00



Binding Constraints Report

- Structure of the report has changed
 - Previously split into 4 different sections
- 6 new columns added to report



Binding Constraints Report (Cont'd)

- Constraint Group ID
 is the same for a
 particular constraint
- Constraint Name and Shadow Price is not repeated for same constraint

Binding (Constraints							
Summer	2016							
Balance-	of-Period Auction							
May 2010	5							
Version #	11							
Current 9	status - Approved							
Posted: F	ebruary 15							
				Period				Shadow Price of
				Duration			/	Constraint
				(# of	<u> </u>		Constraint	\$/MW-Period
Period II	Period Name	Start Date	End Date	months)	Constraint Name	Contingency Elements	Group ID	Duration)
	May 2016	05/01/2016	05/31/2016	1	Cent a East Interface	BASE-CASE	28351	\$27,715.22
					- DNCTY - VALLYSTR 138 kV (From Bus 335 - To Bus 438	for stuck breaker contingency: FREEPORT - NEWBRDGE		
	2016	05/01/2016	05/31/2016	1	Circuit ID 1)	138 kV (From Bus 345 - To Bus 383 - Circuit ID 1)	.36	\$13,913.53
						NEWBRDGE 138/69.0 kV Transformer (From Bus 383 - To		
	May 2016	05/01/2016	05/31/2016	1		Bus 382 - Circuit ID 1)	28136	
	May 2016	05/01/2016	05/31/2016	1	5018 Interconnection Scheduling Constraint	BASE-CASE	28369	(\$11,303.37
(June 2016	06/01/2016	06/30/2016	1	Central East Interface	BASE-CASE	28203	\$24,421.59
					DUNWODIE - SHORE_RD 345 kV (From Bus 253 - To Bus	for loss of: SPRNBRK - EGRDNCTR 345 kV (From Bus 273 - To		
(June 2016	06/01/2016	06/30/2016	1	420 - Circuit ID 1)	Bus 333 - Circuit ID 1)	28357	\$4,248.86
	June 2016	06/01/2016	06/30/2016	1	5018 Interconnection Scheduling Constraint	BASE-CASE	28295	(\$720.27
	7 July 2016	07/01/2016	07/31/2016	1	Central East Interface	BASE-CASE	28277	\$14,502.60
					GOWANUS 138 kV PAR (From Bus 135 - To Bus 134 -			
	7 July 2016	07/01/2016	07/31/2016	1	Circuit ID 1)	BASE-CASE	28137	\$4,630.47
					DUNWODIE - SHORE_RD 345 kV (From Bus 253 - To Bus	for loss of: SPRNBRK - EGRDNCTR 345 kV (From Bus 273 - To		
	7 July 2016	07/01/2016	07/31/2016	1	420 - Circuit ID 1)	Bus 333 - Circuit ID 1)	28283	\$2,851.98



MP Awards Summary

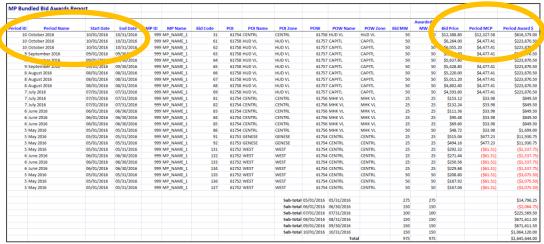
 Report now aggregates awards based on the date range of the periods in the selected rounds

TCC Award Sum	mary							
Market Participant:	MP_Name_1							
		Award	Number of	Total Number of Records	Number of Contracts	\$ Initial	\$ Future	Total \$
Start Date	End Date	Type	Records	Awarded	Issued	Obligation	Obligation	Purchased/Sold
02/01/2017	02/28/2017	Bid	908	182	182	\$5,459,906.26	\$0.00	\$5,459,906.26
02/01/2017	02/28/2017	Offer	712	225		\$1,262,773.88	\$0.00	\$1,262,773.88
03/01/2017	03/31/2017	Bid	590	170	170	\$5,865,906.25	\$0.00	\$5,865,906.25
03/01/2017	03/31/2017	Offer	754	264		\$1,362,423.78	\$0.00	\$1,362,423.78
04/01/2017	04/30/2017	Bid	915	280	280	\$4,562,506.36	\$0.00	\$4,562,506.36
04/01/2017	04/30/2017	Offer	599	201		\$3,254,963.98	\$0.00	\$3,254,963.98
		Sub-total	02/01/2017	02/28/2017		\$4,197,132.38	\$0.00	\$4,197,132.38
		Sub-total	03/01/2017	03/31/2017		\$4,503,482.47	\$0.00	\$4,503,482.47
		Sub-total	04/01/2017	04/30/2017		\$1,307,542.38	\$0.00	\$1,307,542.38
				Total		\$10,008,157.23	\$0.00	\$10,008,157.23
Round Summar	y							
Season	Round Type	Year	Stage	Round	Class	Version	Round Status	Round Title
Winter	Balance-of-Period Auction	2016	b	0	2	1	Approved	February 2017
Report Created:	03/23/2017 15:16:42							



MP Bundled Bid Awards

- New columns added to report
- Redundant / duplicate columns removed



Total MCP	Total Award \$	Season	Year	Round Type	Round Title	Round ID	Status	Version
\$12,327.58	\$616,379.00	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	
\$4,477.41	\$223,870.50	Summer	2016	Balance-of-Period Auction	May 2016	1	Approved	



MP Unbundled Bid Awards

- New columns added to report
- Redundant / duplicate columns removed

iod ID	Period Name	Start Date	End Date	MPID	MP Name	Bid Code	POI	POI Name	POLZone	POW	POW Name	POW Zone	Bid MW	Awarded	Bid Price	Period MCP	Period A	margit 6									
	tober 2016		10/31/2016		MP NAME 1	31		54 CENTRL	CENTRL		B HUD VL	HUD VL	50	- WING	\$12,388.80	\$12,327.58		6,379.00									
	tober 2016		10/31/201		MP NAME 1	61		58 HUD VL	HUD VL		7 CAPITL	CAPITL	50		\$6,264.00	\$4,477.41		3,870.50									
	tober 2016	10/01/2016	10/31/		MP NAME 1	62		58 HUD VL	HUD VL		7 CAPITL	CAPITL	50	50	\$6,055.20	\$4,477.41		3,870.5									
9 Se	ptember 2016	09/01/2016	J/2016		MP NAME 1	63		58 HUD VL	HUD VL		7 CAPITL	CAPITL	50	50	5 40	\$4,477.41	\$22										
7	****		09/30/2016	1	MP_NAME_1	64	6173	58 HUD VL	HUD VL	61757	CAPITL	CAPITL	50	50	\$5,637.0	44 477 41		3,870.50									
9 Se	ptember 2016	09/01/2016	09/30/2016		MP_NAME_1	65	6175	58 HUD VL	HUD VL	61757	CAPITL	CAPITL	50	50	\$5,428.80	\$4,477.41	\$22	3,870.50									
8 Au	gust 2016	08/01/2016	08/31/2016	1	MP_NAME_1	66	6175	58 HUD VL	HUD VL	61757	CAPITL	CAPITL	50	50	\$5,220.00	\$4,477.41	\$22	3,870.50									
8 Au	gust 2016	08/01/2016	08/31/2016	1	MP_NAME_1	67	6175	58 HUD VL	HUD VL	61757	7 CAPITL	CAPITL	50	50	\$5,011.20	\$4,477.41	\$22	3,870.50									
8 Au	gust 2016	08/01/2016	08/31/2016	1	MP_NAME_1	68	6179	58 HUD VL	HUD VL	61757	7 CAPITL	CAPITL	50	50	\$4,802.40	\$4,477.41	\$22	3,870.50									
7 Jul	y 2016	07/01/2016	07/31/2016	1	MP_NAME_1	69	6175	58 HUD VL	HUD VL	61757	7 CAPITL	CAPITL	50	50	\$4,593.60	\$4,477.41		3,870.50									
	y 2016		07/31/2016		MP_NAME_1	81		54 CENTRL	CENTRL		6 MHK VL	MHK VL	25	25		\$33.98		\$849.50									
7 Jul			07/31/2016		MP_NAME_1	82	6175	54 CENTRL	CENTRL		6 MHK VL	MHK VL	25	25		\$33.98		\$849.50									
	ne 2016		06/30/2016		MP_NAME_1	83		54 CENTRL	CENTRL		5 MHK VL	MHK VL	25	25	\$111.36	\$33.98		\$849.50									
	ne 2016		06/30/2016		MP_NAME_1	84		54 CENTRL	CENTRL		5 MHK VL	MHK VL	25	25	\$90.48	\$33.98		\$849.50									
	ne 2016		06/30/2016		MP_NAME_1	85		54 CENTRL	CENTRL		5 MHK VL	MHK VL	25	25	\$69.60	\$33.98		\$849.50									
	ıy 2016		05/31/2016		MP_NAME_1	86		54 CENTRL	CENTRL		5 MHK VL	MHK VL	50	50	\$48.72	\$33.98		1,699.00									
	y 2016		05/31/2016		MP_NAME_1	91		53 GENESE	GENESE		4 CENTRL	CENTRL	25	25		\$477.23	SI	1.930.75				_	_				_
	ıy 2016		05/31/2016		MP_NAME_1	92		53 GENESE	GENESE		4 CENTRL	CENTRL	25	25	\$494.16	\$477.23				Permanent	Unbundled				Round		
	ny 2016 ne 2016	05/01/2016 06/01/2016	05/31/2016		MP_NAME_1	131 132		52 WEST 52 WEST	WEST		4 CENTRL 4 CENTRL	CENTRL	25 25	25 25	\$292.32 \$271.44	(\$61.51) (\$61.51)		Total MCP	Total Award \$	Inventory ID	Segment	Season	Year	Round Type	Title	Round ID Status	ŝ
	ne 2016 ne 2016		06/30/2016		MP_NAME_1 MP_NAME_1	132		52 WEST	WEST		4 CENTRL	CENTRL	25	25	\$271.44	(\$61.51)		\$12,327.58	\$616,379.00	999123	vi .	Summer	2016	5 Balance-of-Period Auction	May 2016	1 Approve	ad
	ne 2016		06/30/2016		MP NAME 1	134		52 WEST	WEST		4 CENTRL	CENTRL	25	25	\$229.68	(\$61.51)											
	w 2016		05/31/2016		MP NAME 1	135		52 WEST	WEST		CENTRL	CENTRL	50	50		(\$61.51)		\$4,477.41	\$223,870.50	999124	V	Summer	2016	Balance-of-Period Auction	May 2016	1 Approve	!d
	y 2016		05/31/2016		MP NAME 1	136		52 WEST	WEST		CENTRL	CENTRL	50	50	\$187.92	(\$61.51)		\$4,477.41	\$223,870.50	999125 [V	Summer	2016	5 Balance-of-Period Auction	May 2016	1 Approve	₫d
	v 2016	05/01/2016			MP NAME 1	137		52 WEST	WEST		CENTRL	CENTRL	50			(\$61.51)		\$4,477.41	\$223,870.50	999126	V	Summer	2016	Balance-of-Period Auction	May 2016	1 Approve	ad
	•	. ,														1,000		\$4,477,41	\$223,870.50	999127		Summer		5 Balance-of-Period Auction	May 2016	1 Approve	
									Sub-total	05/01/2016	05/31/2016		275	275													
									Sub-total	06/01/2016	06/30/2016		150	150				\$4,477.41	\$223,870.50	999128	V	Summer	2016	Balance-of-Period Auction	May 2016	1 Approve	.d
									Sub-total	07/01/2016	07/31/2016		100	100			\$	\$4,477.41	\$223,870.50	999129 [V	Summer	2016	5 Balance-of-Period Auction	May 2016	1 Approve	≥d
									Sub-total	08/01/2016	08/31/2016		150	150			şı	\$4,477,41	\$223,870.50	999130	u	Summer	2016	5 Balance-of-Period Auction	May 2016	1 Approve	
											09/30/2016		150	150			SI										
									Sub-total	10/01/2016	10/31/2016		150	150			\$1,0	\$4,477.41	\$223,870.50	999131	V	Summer	2016	Balance-of-Period Auction	May 2016	1 Approve	,d
											Tota		975	975				\$4,477,41	\$223,870,50	999132 [Summer		5 Balance-of-Period Auction	May 2016	1 Approve	



MP Sale Awards Report

Same changes as bid reports but for offer sales

MP Sal	e Awards Report																									
Period ID	Period Name	Start Date	End Date	MPID	MP Name	Offer Code	POI	POI Name	POI Zone	POW	POW Name	POW Zone	Offer		Offer Price	Period MCP	Period Award \$	Total MCP	Total Award \$	Contract Number Season	Year	Round Type	Round	Round ID	Status	Version
10	October 2016	10/01/2016	10/31/2016	1	MP NAME 1	11	24143	WESTERN NY WIND	GENESE		SITHE BATAVIA	GENESE	1	1	(\$6.96	(\$6.96)	(\$6.96)	(\$6.96)	(\$6.96)	999999 Summer		Balance-of-Period Auction	May 2016		1 Approved	
10	October 2016	10/01/2016	10/31/2016	1	MP NAME 1	12	323578	CHAT HIGH FALL HYD	NORTH	24063	O.H. GEN BRUCE	ОН	2	2	\$765.60	\$1,712,47	\$3,424.94	\$1,712,47	\$3,424,94	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
10	October 2016	10/01/2016	10/31/2016	1	MP NAME 1	14		HQ GEN CEDARS PROXY	HQ	24063	O.H. GEN BRUCE	ОН	8	8	\$835,20	\$1,694,87	\$13,558,96	\$1,694,87	\$13,558,96	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
9	September 2016	09/01/2016	09/30/2016		MP NAME 1	15		N SALMON HYD	NORTH		O.H. GEN BRUCE	ОН	7	7	\$765.60	\$1,660.91	\$11,626.37	\$1,660.91	\$11,626.37	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
9	September 2016	09/01/2016	09/30/2016		MP NAME 1	17	61755	NORTH	NORTH	24063	O.H. GEN BRUCE	ОН	5	5	\$765.60	\$1,706.66	\$8,533.30	\$1,706.66	\$8,533.30	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
9	September 2016	09/01/2016	09/30/2016	1	MP_NAME_1	18	23600	ST LAWRENCE	NORTH	24063	O.HGEN_BRUCE	ОН	6	6	\$835.20	\$1,720.91	\$10,325.46	\$1,720.91	\$10,325.46	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
8	August 2016	08/01/2016	08/31/2016	1	MP NAME 1	19	23600	ST LAWRENCE	NORTH	24063	O.H. GEN BRUCE	ОН	6	6	\$904.80	\$1,720.91	\$10,325.46	\$1,720.91	\$10,325.46	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
8	August 2016	08/01/2016	08/31/2016	1	MP NAME 1	20	323696	MARBLE RIVER WT PWR	NORTH	23767	NEG CENTRAL HIGH ACRES	CENTRL	1	1	\$1,044.00	\$1,635.33	\$1,635.33	\$1,635.33	\$1,635.33	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
8	August 2016	08/01/2016	08/31/2016	1	MP NAME 1	26	23760	NIAGARA	WEST	24063	O.H. GEN BRUCE	ОН	5	5	(\$208.80	(\$155.20)	(\$776.00)	(\$155.20)	(\$776.00)	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
7	7 July 2016	07/01/2016	07/31/2016	1	MP NAME 1	31	23799	SELKIRK II	CAPITL	24062	N.E. GEN SANDY PD	NPX	2	2	(\$487.20	(\$307.31)	(\$614.62)	(\$307.31)	(\$614.62)	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
7	7 July 2016	07/01/2016	07/31/2016	1	MP_NAME_1	58	23540	HUDSON AVE_GT_4	N.Y.C.	24244	RAVENSWOOD_GT2_1	N.Y.C.	2	2	\$0.00	\$41.19	\$82.38	\$41.19	\$82.38	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
7	7 July 2016	07/01/2016	07/31/2016	1	MP_NAME_1	59	23804	IPTICONDEROGA	CAPITL	24062	N.E. GEN_SANDY PD	NPX	5	5	(\$696.00	(\$487.20)	(\$2,436.00)	(\$487.20)	(\$2,436.00)	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
- 6	June 2016	06/01/2016	06/30/2016	- 1	MP_NAME_1	62	23799	SELKIRK II	CAPITL	24062	N.E. GEN SANDY PD	NPX	5	5	(\$556.80	(\$307.31)	(\$1,536.55)	(\$307.31)	(\$1,536.55)	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
- 6	June 2016	06/01/2016	06/30/2016	1	MP NAME 1	77	323601	HQ GEN IMPORT	HQ	24008	NYISO LBMP REFERENCE	MHK VL	10	10	\$417.60	\$440.17	\$4,401.70	\$440.17	\$4,401.70	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
6	June 2016	06/01/2016	06/30/2016	1	MP_NAME_1	78	24138	59TH STREET_GT_1	N.Y.C.	323558	EAST_RIVER1	N.Y.C.	4	4	\$13.92	\$70.22	\$280.88	\$70.22	\$280.88	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
5	May 2016	05/01/2016	05/31/2016	1	MP_NAME_1	83	23522	WADING RIVER_IC_1	LONGIL	23690	HOLTSVILLE_IC_1	LONGIL	11	11	(\$6.96	\$6.28	\$69.08	\$6.28	\$69.08	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
	May 2016	05/01/2016	05/31/2016	1	MP_NAME_1	85	23799	SELKIRKII	CAPITL	24062	N.EGEN_SANDY PD	NPX	11	11	(\$487.20	(\$307.31)	(\$3,380.41)	(\$307.31)	(\$3,380.41)	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
	May 2016	05/01/2016	05/31/2016	1	MP_NAME_1	88	23799	SELKIRKII	CAPITL	24062	N.EGEN_SANDY PD	NPX	13	13	(\$556.80	(\$307.31)	(\$3,995.03)	(\$307.31)	(\$3,995.03)	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
	May 2016	05/01/2016	05/31/2016	1	MP_NAME_1	89	323601	HQ GEN IMPORT	HQ	323626	WETHRSFD_WT_PWR	CENTRL	5	5	\$1,879.20	\$2,745.17	\$13,725.85	\$2,745.17	\$13,725.85	999999 Summer	2016	Balance-of-Period Auction	May 2016	- 1	1 Approved	
6	June 2016	06/01/2016	06/30/2016	1	MP_NAME_1	90	23651	HQ_GEN_WHEEL	HQ	24063	O.HGEN_BRUCE	ОН	6	6	\$974.40	\$1,716.54	\$10,299.24	\$1,716.54	\$10,299.24	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
6	June 2016	06/01/2016	06/30/2016	1	MP_NAME_1	91	323601	HQ_GEN_IMPORT	HQ	24008	NYISO_LBMP_REFERENCE	MHK VL	10	10	\$348.00	\$440.17	\$4,401.70	\$440.17	\$4,401.70	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
6	June 2016	06/01/2016	06/30/2016	1	MP_NAME_1	92	323601	HQ_GEN_IMPORT	HQ	24008	NYISO_LBMP_REFERENCE	MHK VL	10	10	\$417.60	\$440.17	\$4,401.70	\$440.17	\$4,401.70	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
	May 2016	05/01/2016	05/31/2016	1	MP_NAME_1	93	23760	NIAGARA	WEST	24063	O.HGEN_BRUCE	ОН	11	11	(\$348.00	(\$155.20)	(\$1,707.20)	(\$155.20)	(\$1,707.20)	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
5	May 2016	05/01/2016	05/31/2016	1	MP_NAME_1	94	23799	SELKIRKII	CAPITL	24062	N.EGEN_SANDY PD	NPX	11	11	(\$556.80	(\$307.31)	(\$3,380.41)	(\$307.31)	(\$3,380.41)	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	
5	May 2016	05/01/2016	05/31/2016	1	MP_NAME_1	95	23804	IPTICONDEROGA	CAPITL	24062	N.EGEN_SANDY PD	NPX	13	11	(\$487.20	(\$487.20)	(\$5,359.20)	(\$487.20)	(\$5,359.20)	999999 Summer	2016	Balance-of-Period Auction	May 2016	1	1 Approved	
	May 2016	05/01/2016	05/31/2016		MP NAME 1	96	23799	SELKIRK II	CAPITL	24062	N.E. GEN SANDY PD	NPX	13	13	(\$487.20	(\$307.31)	(\$3,995,03)	(\$307.31)	(\$3,995.03)	999999 Summer	2016	Balance-of-Period Auction	May 2016		1 Approved	



Masked Bid and Offer

New columns added to report

eriod ID	Period Name	Start Date	End Dati	Group ID	Masked Participant ID	Masked Source ID	Masked Sink ID	Bid/Offer MW	Bid/Offer \$	Bid/Offer
	March 2017	03/01/2017	03/31/2017	3734873	837			1	(\$628.32)	
	April 2017	04/01/2017	04/30/201	3734874	837	537		1	(\$618.24)	
	April 2017	04/01/2017	04/2 2017	3734875	838	537		1	(\$608.16)	
	2017	02/1/2017	02/28/2017	3734877	838	537		1	(\$618.24)	
	March 2017	03/01/2017	03/31/2017	3734881	838	537		1	(\$618.24)	
	March 2017	03/01/2017	03/31/2017	3734878	901	93		1	\$349.44	
	April 2017	04/01/2017	04/30/2017	3734879	901	93		1	\$362.88	
	February 2017	02/1/2017	02/28/2017	3734893	901	537	_	1	(\$608.16)	
	February 2017	02/1/2017	02/28/2017	3731432	924	20		1	\$1,222.85	
	March 2017	03/01/2017	03/31/2017	3731437	924	20		1	\$1,222.85	
	April 2017	04/01/2017	04/30/2017	3731439	924	20		1	\$1,222.85	
	March 2017	03/01/2017	03/31/2017	3730808	954	42		1	\$20.16	
	February 2017	02/1/2017	02/28/2017	3730812	954	42		1	\$20.16	
	April 2017	04/01/2017	04/30/2017	3731431	954	20		1	\$1,223.33	
	March 2017	03/01/2017	03/31/2017	3737886	835	4		1	\$6,500.00	
4	April 2017	04/01/2017	04/30/2017	3737888	835	4	504	1	\$6,500.00	
	February 2017	02/1/2017	02/28/2017	3737897	835	4	504	1	\$10,000.00	
	February 2017	02/1/2017	02/28/2017	3737772	836	51	504	1	\$5,000.00	
	April 2017	04/01/2017	04/30/2017	3737884	836	4	504	1	\$10,000.00	Bid
	March 2017	03/01/2017	03/31/2017	3737898	836	4	504	1	\$10,000.00	
2	February 2017	02/1/2017	02/28/2017	3737885	837	4	504	1	\$6,500.00	
4	April 2017	04/01/2017	04/30/2017	3737833	860	51	45	3	(\$1,400.00)	Bid
	February 2017	02/1/2017	02/28/2017	3737843	860	51	45	3	(\$1,400.00)	
	March 2017	03/01/2017	03/31/2017	3737883	860	51	45	3	(\$1,400.00)	
2	February 2017	02/1/2017	02/28/2017	3737817	881	51	45	3	(\$1,250.00)	Bid
	March 2017	03/01/2017	03/31/2017	3737834	881	51		3	(\$1,250.00)	
4	April 2017	04/01/2017	04/30/2017	3737882	881	51	45	3	(\$1,250.00)	Bid
ound S	Summary						Round			
Season	Round Type	Year	Stage	Round	Class	Version	Status	Round Title		
Winter	Balance-of-Period Auction	2016	b	0	2	1	Approved	February 2017		

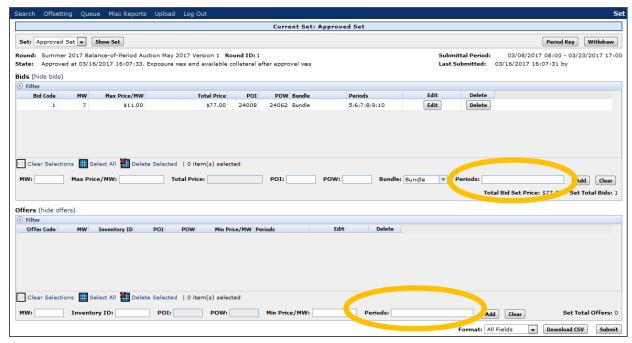


Changes To Bidding & Offering To Support Balance-of-Period



View Sets

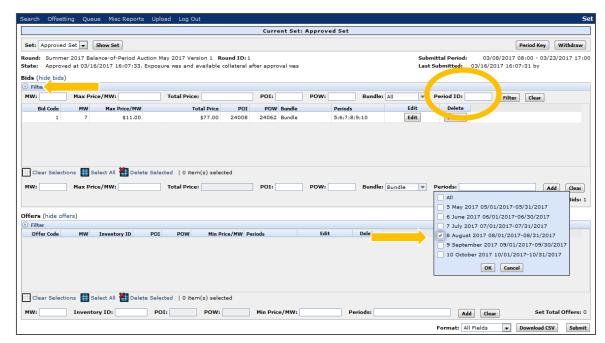
 Periods field will be active for auctions with more than one period





Filter and Select Periods

Additional filtering and period selection



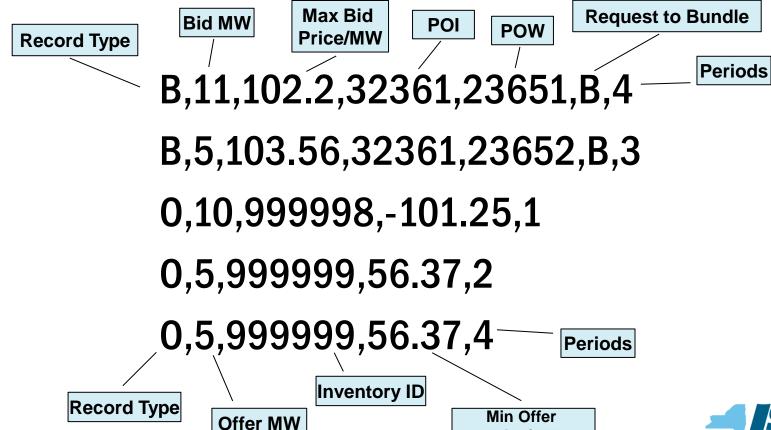


Periods Field Rules

- Periods field currently exists in the TCC AMS but is optional for auction rounds with a single period (defaults to only valid Period ID)
 - A Period ID is a whole number that uniquely identifies a period within a given round
- Periods field is required for multi-period auctions
- MPs initially will be required to submit separate bids/offers for each period in which the MP is seeking to purchase/sell TCCs



Upload Set Data Row Examples





Price/MW

Changes To Transactions To Support Balance-of-Period



Sell a Portion Transaction

- Greater flexibility has been added to allow
 Sell a Portion transactions for monthly increments
- The end date of the transaction is no longer restricted to the end date of the contract
- End date is now required



Future Communications

Market Trials

Planned for week of June 5th

WebEx Training Sessions

- Multiple sessions planned for the weeks of May 29th and June 12th
- Detailed review of system changes

User's Guide Updates

To be posted the day after software deployment



Questions?



The Mission of the New York Independent System Operator is to:

- Serve the public interest and
- Provide benefit to stakeholders by
 - Maintaining and enhancing regional reliability
 - Operating open, fair and competitive wholesale electricity markets
 - Planning the power system for the future
 - Providing factual information to policy makers, stakeholders and investors in the power system



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