

TCC Auction Automation System

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Market Issues Working Group

April 12, 2010

TCC Release information

- ◆ TCC release planned for Tuesday, April 27th
 - *After-hours deployment scheduled*
- ◆ Visible changes have been made to the HTML interface of the TCC public reports to be consistent with the nyiso.com redesign:
 - *View Binding Constraints*
 - *View Nodal Prices*
 - *View Awards Summary*
 - *View Nomination Details*
 - *Summary of Transmission Contracts*

Draft – for discussion purposes only

View Binding Constraints - today

NYISO - TCC - Windows Internet Explorer

http://tcc.nyiso.com/tcc/public/view_binding_constraints.do

File Edit View Favorites Tools Help

NYISO - TCC

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View Awards

Auction: 2010 Spring Capability Period Auction Round 7 - Six Month TCCs [Display]

View Binding Constraints

Save as xls Save as csv

Binding Constraints
Spring 2010
Capability Period Auction
Round 7 - Six Month TCCs
Version #1
Current Status - Approved
Posted April 1, 2010

Normal Loading Constraints

Constraint Name
GREENWD - VERNON 138 kV (From Bus 115 - To Bus 189 - Circuit ID 1)
FRESHKLS - WILLWBK 138 kV (From Bus 88 - To Bus 197 - Circuit ID 1)
S.RIPLEY - ERIE SO. 230 kV (From Bus 406 - To Bus 2196 - Circuit ID 1)
FRESHKLS 345/138 kV Transformer (From Bus 89 - To Bus 86 - Circuit ID 1)
RAINEY - VERNON 138 kV (From Bus 175 - To Bus 188 - Circuit ID 1)
GREENWD - KENTAVE 138 kV (From Bus 115 - To Bus 131 - Circuit ID 1)
E179THST - HELLTP_W 138 kV (From Bus 55 - To Bus 126 - Circuit ID 1)
Hydro Quebec to NYISO Limit (From Bus 1075 - To Bus 5001 - Circuit ID 1)
LINDN_CG 13 kV Net Injection Limit (Bus 144; Gen PTID 23786)
DUNWODIE 138 kV PAR (From Bus 217 - To Bus 219 - Circuit ID 1)
ASTORIAE - HELLGT_E 138 kV (From Bus 26 - To Bus 117 - Circuit ID 1)
NCATSKLL 69 kV Net Injection Limit (Bus 927; Gen PTID 23611)
TREMONT - SPRNBK 345 kV (From Bus 184 - To Bus 235 - Circuit ID 1)
NCATSKLL 69 kV Net Injection Limit (Bus 927; Gen PTID 23612)
ASHOKAN 69 kV Net Injection Limit (Bus 896; Gen PTID 23654)
KENTAVE - VERNON 138 kV (From Bus 131 - To Bus 188 - Circuit ID 1)
GOUDEY 13 kV Net Injection Limit (Bus 788; Gen PTID 23580)

Menu ready for use

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View Binding Constraints – post-deployment

NYISO - TCC - Windows Internet Explorer

https://tcc.pq2.nyiso.com/tcc/public/view_binding_constraints.do

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View Awards **View Binding Constraints**

Auction: 2010 Spring Capability Period Auction Round 6 - Six Month TCCs

Binding Constraints
Spring 2010
Capability Period Auction
Round 6 - Six Month TCCs
Version #1
Current Status - Approved
Posted: March 25, 2010

Normal Loading Constraints

Constraint Name
GREENWD - VERNON 138 kV (From Bus 115 - To Bus 189 - Circuit ID 1)
FRESHKLS - WILLWRK 138 kV (From Bus 88 - To Bus 197 - Circuit ID 1)
S.RIPLEY - ERIE SO. 230 kV (From Bus 466 - To Bus 2196 - Circuit ID 1)
RAINEY - VERNON 138 kV (From Bus 175 - To Bus 188 - Circuit ID 1)
FRESHKLS 345/138 kV Transformer (From Bus 89 - To Bus 86 - Circuit ID 1)
GREENWD - KENTAVE 138 kV (From Bus 115 - To Bus 131 - Circuit ID 1)
E179THST - HELLTP_W 138 kV (From Bus 55 - To Bus 126 - Circuit ID 1)
Hydro Quebec to NYISO Limit (From Bus 1075 - To Bus 5001 - Circuit ID 1)
GOETHLSS - GOWANUSS 345 kV (From Bus 90 - To Bus 112 - Circuit ID 1)
NCATSKLL 69 kV Net Injection Limit (Bus 927; Gen PTID 23611)
ASTORIAE - HELLGT_E 138 kV (From Bus 26 - To Bus 117 - Circuit ID 1)
NCATSKLL 69 kV Net Injection Limit (Bus 927; Gen PTID 23612)
LINDN_CG 13 kV Net Injection Limit (Bus 144; Gen PTID 23786)
ASHOKAN 69 kV Net Injection Limit (Bus 896; Gen PTID 23654)
TREMONT - SPRNBRK 345 kV (From Bus 184 - To Bus 235 - Circuit ID 1)
GOUDEY 13 kV Net Injection Limit (Bus 788; Gen PTID 23580)
HOMER_HL 115 kV Net Injection Limit (Bus 427; Gen PTID 23982)
NORTHSDE 115 kV Net Injection Limit (Bus 815; Gen PTID 323600)
GRMVL-CH 69 kV Net Injection Limit (Bus 913; Gen PTID 23607)
NORTHSDE 115 kV Net Injection Limit (Bus 815; Gen PTID 23790)
LANGDON 115 kV Net Injection Limit (Bus 806; Gen PTID 23528)
ASTORIA4 20 kV Net Injection Limit (Bus 12; Gen PTID 23517)
KINTIGH 26 kV Net Injection Limit (Bus 761; Gen PTID 23543)

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View Nodal Prices - today

NYISO - TCC - Windows Internet Explorer

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View Awards

Auction: 2010 Spring Capability Period Auction Round 7 - Six Month TCCs Display

View Nodal Prices

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Nodal Price
Spring 2010
Capability Period Auction
Round 7 - Six Month TCCs
Version #1
Current Status - Approved
Posted April 1, 2010

PTID	PTID Name	Nodal Price Zone	\$/TCC (6 mos)
23512	ARTHUR_KILL_2	N.Y.C.	\$73,677.41
23513	ARTHUR_KILL_3	N.Y.C.	\$65,736.91
23514	ALLEGHENY___COGEN	GENESE	\$2,037.68
23515	BROOKLYN_NAVY_YARD	N.Y.C.	\$36,165.93
23516	ASTORIA___3	N.Y.C.	\$44,303.92
23517	ASTORIA___4	N.Y.C.	\$43,213.66
23518	ASTORIA___5	N.Y.C.	\$37,693.77
23519	POLETTI___	N.Y.C.	\$36,489.54
23520	ARTHUR_KILL_GT_1	N.Y.C.	\$74,568.91
23522	WADING_RIVER_JC_1	LONGIL	\$32,412.48
23523	ASTORIA_GT_1	N.Y.C.	\$37,693.54
23524	EAST_RIVER___7	N.Y.C.	\$37,247.66
23526	BOWLINE___1	HUD VL	\$29,682.27
23527	ADK_NYS___DAM	CAPITL	\$18,216.42
23528	NEG_PENN_ALLEGHNY	CENTRL	\$6,463.62
23530	INDIAN_POINT___2	MILLWD	\$30,151.45
23531	INDIAN_POINT___3	MILLWD	\$30,436.94
23533	RAVENSWOOD___1	N.Y.C.	\$44,538.28

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View Nodal Prices – post-deployment

NYISO - TCC - Windows Internet Explorer

https://tcc.pq2.nyiso.com/tcc/public/view_nodal_prices.do

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View Nodal Prices

Auction: 2010 Spring Capability Period Auction Round 6 - Six Month TCCs

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Nodal Price
Spring 2010
Capability Period Auction
Round 6 - Six Month TCCs
Version #1
Current Status - Approved
Posted: March 25, 2010

Nodal Price

PTID	PTID Name	Nodal Price Zone	\$/TCC (6 mos)
23512	ARTHUR_KILL_2	N.Y.C.	\$75,593.56
23513	ARTHUR_KILL_3	N.Y.C.	\$67,583.88
23514	ALLEGHENY___COGEN	GENESE	\$1,662.24
23515	BROOKLYN_NAVY_YARD	N.Y.C.	\$36,661.79
23516	ASTORIA___3	N.Y.C.	\$45,582.73
23517	ASTORIA___4	N.Y.C.	\$44,601.17
23518	ASTORIA___5	N.Y.C.	\$39,046.77
23519	POLETTI___	N.Y.C.	\$36,963.12
23520	ARTHUR_KILL_GT_1	N.Y.C.	\$79,781.44
23522	WADING_RIVER_IC_1	LONGIL	\$33,014.80
23523	ASTORIA_GT_1	N.Y.C.	\$39,046.57
23524	EAST_RIVER___7	N.Y.C.	\$37,853.27
23526	BOWLINE___1	HUD VL	\$30,258.58
23527	ADK_NYS___DAM	CAPITL	\$18,437.99
23528	NEG_PENN_ALLEGHNY	CENTRL	\$6,299.51
23530	INDIAN_POINT___2	MILLWD	\$30,693.79
23531	INDIAN_POINT___3	MILLWD	\$31,024.52
23533	RAVENSWOOD___1	N.Y.C.	\$45,825.85
23534	RAVENSWOOD___2	N.Y.C.	\$45,734.41
23535	RAVENSWOOD___3	N.Y.C.	\$37,217.40
23540	HUDSON_AVE_GT_4	N.Y.C.	\$38,738.84
23543	KINTIGH___	WEST	(\$729.65)
23545	BARRETT___1	LONGIL	\$32,363.44

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View Awards Summary - today

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Auction: 2010 Spring Capability Period Auction Round 7 - Six Month TCCs Display

View Awards Summary

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Summary of Awards
Spring 2010
Capability Period Auction
Round 7 - Six Month TCCs
Version #1
Current Status - Approved
Posted April 1, 2010

POI	POW	TCCs AWARDED	\$/TCC (6 mos)
23528	61759	100	\$1,130.67
61758	61760	100	\$2,688.40
61756	61758	75	\$24,940.51
61759	61760	75	\$352.52
24000	61761	60	\$12,353.27
23575	23606	50	\$157.96
23543	24039	30	\$287.69
61759	61760	30	\$352.52
61760	24138	30	\$6,690.52
61760	61761	30	\$14,388.68
61760	61761	30	\$14,388.68
323601	24008	30	\$9,936.00
323601	24008	30	\$9,936.00
323601	24008	30	\$9,936.00
323601	24008	30	\$9,936.00
23655	24138	25	\$7,492.36
23983	23603	25	\$2,155.40
24062	61758	25	\$5,520.01

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View Awards Summary – post-deployment

NYISO - TCC - Windows Internet Explorer

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Summary of Awards
Spring 2010
Capability Period Auction
Round 6 - Six Month TCCs
Version #1
Current Status - Approved
Posted: March 25, 2010

Summary of Awards

POI	POW	TCCs AWARDED	Market-Clearing \$/TCC (6 mos)
61758	61760	100	\$2,919.12
61756	61758	75	\$25,407.37
61759	61760	75	\$288.92
24000	61761	60	\$12,760.41
23543	24039	30	\$244.00
61758	23587	30	\$464.94
61760	23776	30	\$128.04
61760	24138	30	\$6,937.55
61760	61761	30	\$14,880.88
61760	61761	30	\$14,880.88
323601	24008	30	\$9,494.40
323601	24008	30	\$9,494.40
323601	24008	30	\$9,494.40
323601	24008	30	\$9,494.40
23531	61759	29	\$398.00
23533	61761	25	\$766.47
23655	24138	25	\$7,516.07
23983	23603	25	\$1,646.53
24062	61758	25	\$5,924.12
24062	61758	25	\$5,924.12
24062	61758	25	\$5,924.12
61752	61758	25	\$28,475.84
61752	61758	25	\$28,475.84

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(1 item remaining) Waiting for https://tcc.pq2.nyiso.com/tcc/public/view_awards_summary.do...

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View Nomination Details - today

NYISO - TCC - Windows Internet Explorer

http://tcc.nyiso.com/tcc/public/view_nominations.do

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View Awards

Nomination: 2009 Autumn Version 1 - RCRR Display

View RCRR Nomination Details

Save as csv

Autumn 2009 Version 1 - Residual Capacity Reservation Right Nominations

RCRR Details							
TO	Tracking Number	From Zone	To Zone	RCRR Available (MW)	RCRR Nominations (MW)	Last Updated By	Last Updated Date
Central Hudson Gas & Electric Corp.	6.01	CAPITL	HUD VL	5.0		Matt Rodgers	07/08/2009 11:41:21
Central Hudson Gas & Electric Corp.	7.01	HUD VL	MILLWD	8.0		Matt Rodgers	07/08/2009 11:41:21
Consolidated Edison Co. of New York, Inc.	6.02	CAPITL	HUD VL	5.0		Matt Rodgers	07/08/2009 11:41:21
Consolidated Edison Co. of New York, Inc.	7.02	HUD VL	MILLWD	22.0		Matt Rodgers	07/08/2009 11:41:21
Consolidated Edison Co. of New York, Inc.	8.02	MILLWD	DUNWOD	54.0		Matt Rodgers	07/08/2009 11:41:21
Long Island Power Authority	8.03	MILLWD	DUNWOD	5.0	0.0	John Schroeder	07/13/2009 11:24:45
New York Power Authority	6.07	CAPITL	HUD VL	10.0	0.0	Duane Wheeler	07/13/2009 09:46:10
New York Power Authority	3.07	CENTRL	MHK VL	18.0	0.0	Duane Wheeler	07/13/2009 09:46:45
New York							

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View Nomination Details – post-deployment

NYISO - TCC - Windows Internet Explorer

https://tcc.pq2.nyiso.com/tcc/public/view_nominations.do

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View Awards View Nomination Details

Nomination: 2009 Autumn Version 1 - RCRR Display

Save as csv

Autumn 2009 Version 1 - Residual Capacity Reservation Right Nominations

RCRR Details

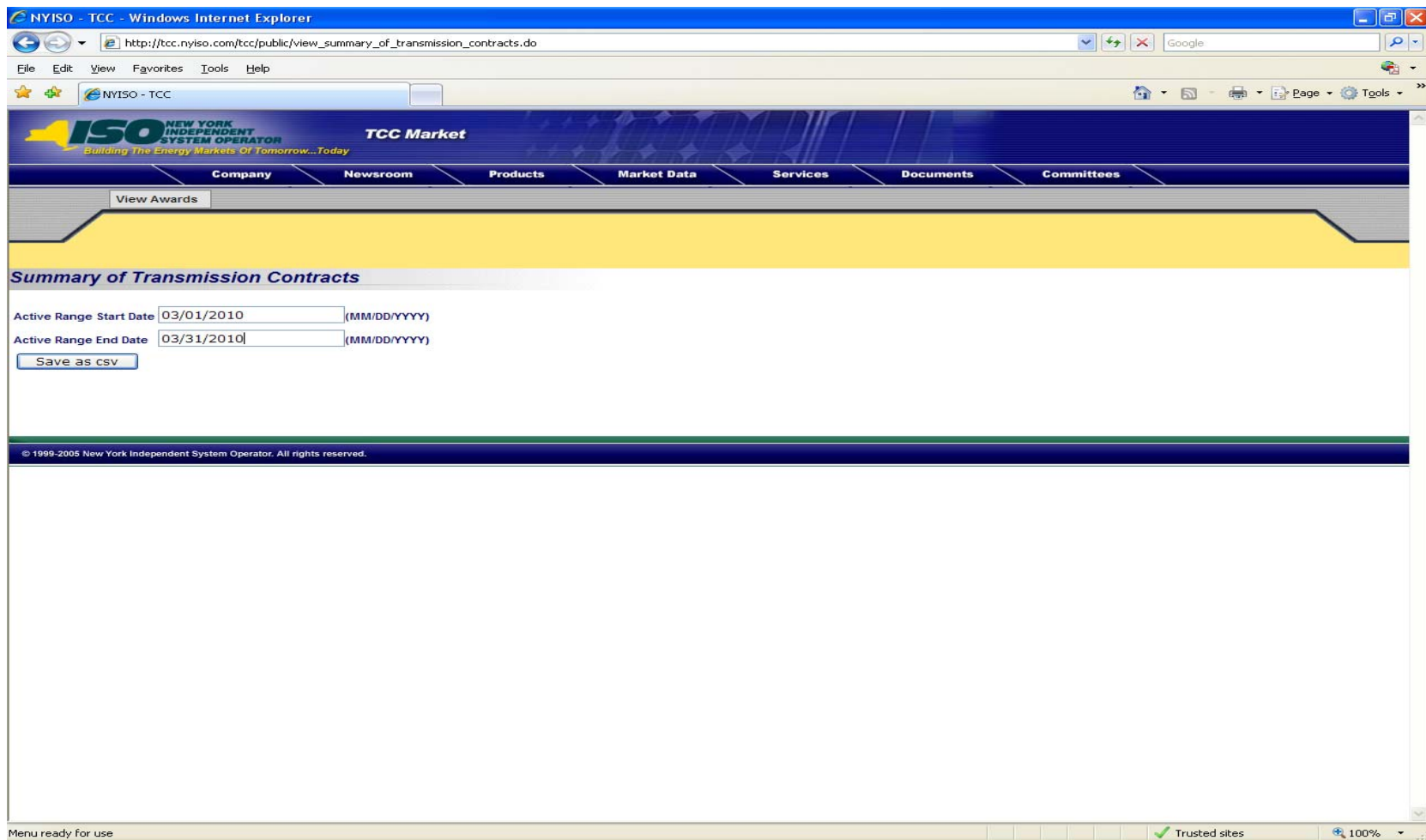
TO	Tracking Number	From Zone	To Zone	RCRR Available (MW)	RCRR Nominations (MW)	Last Updated By	Last Updated Date
Central Hudson Gas & Electric Corp.	6.01	CAPITL	HUD VL	5		Matt Rodgers	07/08/2009 11:41:21
Central Hudson Gas & Electric Corp.	7.01	HUD VL	MILLWD	8		Matt Rodgers	07/08/2009 11:41:21
Consolidated Edison Co. of New York, Inc.	6.02	CAPITL	HUD VL	5		Matt Rodgers	07/08/2009 11:41:21
Consolidated Edison Co. of New York, Inc.	7.02	HUD VL	MILLWD	22		Matt Rodgers	07/08/2009 11:41:21
Consolidated Edison Co. of New York, Inc.	8.02	MILLWD	DUNWOD	54		Matt Rodgers	07/08/2009 11:41:21
Long Island Power Authority	8.03	MILLWD	DUNWOD	5	0	John Schroeder	07/13/2009 11:24:45
New York Power Authority	6.07	CAPITL	HUD VL	10	0	Duane Wheeler	07/13/2009 09:46:10
New York Power Authority	3.07	CENTRL	MHK VL	18	0	Duane Wheeler	07/13/2009 09:46:45
New York Power Authority	2.07	GENESE	CENTRL	11	0	Duane Wheeler	07/13/2009 10:02:28
New York Power Authority	7.07	HUD VL	MILLWD	8	0	Duane Wheeler	07/13/2009 10:02:34
New York Power	5.07	MHK VL	CAPITL	8	0	Duane Wheeler	07/13/2009 10:02:41

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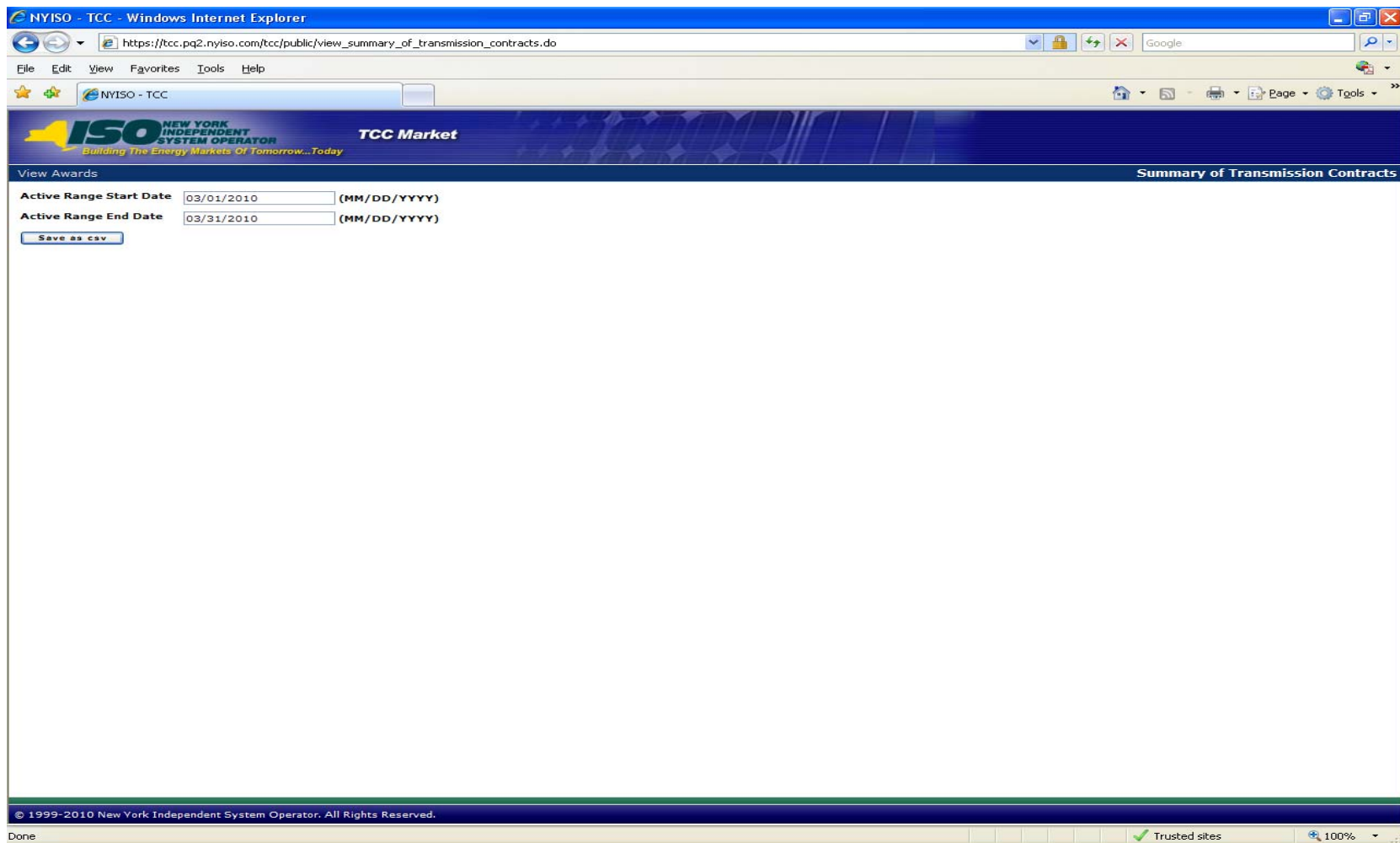
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Summary of Transmission Contracts - today

A screenshot of a web browser window displaying the NYISO TCC Market website. The browser's address bar shows the URL "http://tcc.nyiso.com/tcc/public/view_summary_of_transmission_contracts.do". The website has a blue header with the NYISO logo and the text "TCC Market". Below the header is a navigation menu with links for "Company", "Newsroom", "Products", "Market Data", "Services", "Documents", and "Committees". A yellow banner below the menu contains the text "View Awards". The main content area is titled "Summary of Transmission Contracts" and contains two date input fields: "Active Range Start Date" with the value "03/01/2010" and "Active Range End Date" with the value "03/31/2010". Both fields have a placeholder "(MM/DD/YYYY)". Below these fields is a button labeled "Save as csv". At the bottom of the page, there is a copyright notice: "© 1999-2005 New York Independent System Operator. All rights reserved." The browser's status bar at the bottom indicates "Menu ready for use" and "Trusted sites".

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Summary of Transmission Contracts post-deployment

A screenshot of a web browser window displaying the NYISO TCC Market website. The browser is Windows Internet Explorer. The address bar shows the URL: https://tcc.pq2.nyiso.com/tcc/public/view_summary_of_transmission_contracts.do. The page has a blue header with the NYISO logo and the text "TCC Market". Below the header, there is a section titled "View Awards" and "Summary of Transmission Contracts". Under "View Awards", there are two date pickers: "Active Range Start Date" with the value "03/01/2010" and "Active Range End Date" with the value "03/31/2010". Both date pickers have a "(MM/DD/YYYY)" label next to them. Below the date pickers is a button labeled "Save as csv". The main content area is empty. At the bottom of the page, there is a copyright notice: "© 1999-2010 New York Independent System Operator. All Rights Reserved." The browser's status bar at the bottom shows "Done" and "Trusted sites".

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Output of the Summary of Transmission Contracts is the same....currently

Microsoft Excel - transmission-contracts[1].csv

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Contract Id	Att L Ref	Start Date	End Date	POI ID	POI Name	POI Zone	POW ID	POW Name	POW Zone	MW Summer	MW Winter	Primary Holder	Market Clr Price	Ref Cont Id		
1	1	1	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61758	HUD VL	HUD VL	101	101	Central Hudson	N/A			
2	3	3	1-Sep-99	31-Dec-50	61758	HUD VL	HUD VL	61759	MILLWD	MILLWD	300	300	Central Hudson	N/A			
3	4	4	1-Sep-99	31-Dec-50	61756	MHK VL	MHK VL	61757	CAPITL	CAPITL	25	25	Central Hudson	N/A			
4	5	5	1-Sep-99	31-Dec-50	23526	BOWLINE	HUD VL	61759	MILLWD	MILLWD	5	5	Consolidated E	N/A			
5	6	5	1-Sep-99	31-Dec-50	23595	BOWLINE	HUD VL	61759	MILLWD	MILLWD	5	5	Consolidated E	N/A			
6	9	12	1-Sep-99	31-Dec-50	23598	FITZPATRICK	CENTRL	61762	LONGIL	LONGIL	103	100	Long Island Pow	N/A			
7	11	14	1-Sep-99	31-Dec-50	61760	DUNWOD	DUNWOD	61762	LONGIL	LONGIL	307	300	Long Island Pow	N/A			
8	13	16	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61762	LONGIL	LONGIL	206	206	Long Island Pow	N/A			
9	14	17	1-Sep-99	30-Apr-15	23599	GILBOA	CAPITL	61762	LONGIL	LONGIL	50	50	Long Island Pow	N/A			
10	17	20	1-Sep-99	31-Dec-50	23543	KINTIGH	WEST	61757	CAPITL	CAPITL	72	72	New York State	N/A			
11	18	20	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61759	MILLWD	MILLWD	122	122	New York State	N/A			
12			1-Apr-04	30-Apr-04	23744	NINE_MILE	CENTRL	61759	MILLWD	MILLWD	50	50	New York State	828.21	18		
13			1-May-04	31-May-04	23744	NINE_MILE	CENTRL	61759	MILLWD	MILLWD	50	50	New York State	757.43	18		
14	19	20	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61757	CAPITL	CAPITL	65	65	New York State	N/A			
15	20	20	1-Sep-99	31-Dec-50	61756	MHK VL	MHK VL	61758	HUD VL	HUD VL	15	15	New York State	N/A			
16	21	21	1-Sep-99	31-Dec-50	61756	MHK VL	MHK VL	61757	CAPITL	CAPITL	25	25	New York State	N/A			
17	43	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61762	LONGIL	LONGIL	5	5	New York Powe	N/A			
18	44	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61762	LONGIL	LONGIL	37	37	Freeport Electri	N/A			
19	45	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61759	MILLWD	MILLWD	1	1	Freeport Electri	N/A			
20	46	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61762	LONGIL	LONGIL	29	29	Village of Rock	N/A			
21	47	66	1-Sep-99	31-Dec-50	23760	NIAGARA	WEST	61752	WEST	WEST	0	0	Niagara Mohaw	N/A			
22	48	73	1-Sep-99	31-Dec-50	61758	HUD VL	HUD VL	61758	HUD VL	HUD VL	0	0	New York Powe	N/A			
23	50	74	1-Sep-99	31-Oct-11	23598	FITZPATRICK	CENTRL	61762	LONGIL	LONGIL	5	5	New York Powe	N/A			
24	51	74	1-Sep-99	30-Jun-11	23598	FITZPATRICK	CENTRL	61762	LONGIL	LONGIL	5	5	New York Powe	N/A			
25	52	75	1-Sep-99	31-Dec-50	23598	FITZPATRICK	CENTRL	61762	LONGIL	LONGIL	26	26	New York Powe	N/A			
26	53	76	1-Sep-99	31-Dec-50	23598	FITZPATRICK	CENTRL	61762	LONGIL	LONGIL	60	68	New York Powe	N/A			
27	56	80	1-Sep-99	31-Dec-11	23598	FITZPATRICK	CENTRL	61756	MHK VL	MHK VL	46	46	Niagara Mohaw	N/A			
28	57	81	1-Sep-99	31-Dec-50	23598	FITZPATRICK	CENTRL	61754	CENTRL	CENTRL	56	56	New York Powe	N/A			
29	58	81	1-Sep-99	31-Dec-50	23598	FITZPATRICK	CENTRL	61754	CENTRL	CENTRL	12	12	New York Powe	N/A			
30	65	85	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61757	CAPITL	CAPITL	6	6	New York Munil	N/A			
31	76	92	1-Sep-99	31-Dec-50	23598	FITZPATRICK	CENTRL	61755	NORTH	NORTH	17	17	New York Powe	N/A			
32	77	98	1-Sep-99	31-Dec-50	23600	ST LAWREN	NORTH	61752	WEST	WEST	1	1	New York Powe	N/A			
33	78	99	1-Sep-99	30-Jun-13	23760	NIAGARA	WEST	61752	WEST	WEST	210	210	Niagara Mohaw	N/A			
34	79	100	1-Sep-99	31-Dec-12	23760	NIAGARA	WEST	61752	WEST	WEST	445	445	Niagara Mohaw	N/A			
35	82	103	1-Aug-99	30-Jun-15	23602	INDECK	CAPITL	24000	PLEASANTV	HUD VL	134	134	Indeck-Corinth	N/A			
36	83	104	1-Sep-99	31-Aug-14	23799	SELKIRK	CAPITL	24000	PLEASANTV	HUD VL	270	270	Selkirk Cogen	N/A			
37	84	105	1-Sep-99	31-Jul-12	23791	NEG WEST	WEST	24039	GARDENVILI	WEST	100	100	New York State	N/A			
38	110	160	1-Sep-99	31-Oct-13	23598	FITZPATRICK	CENTRL	61762	LONGIL	LONGIL	1	1	New York Powe	N/A			
39	119	163	1-Sep-99	31-Oct-13	24063	O.H_GEN_EO H		61757	CAPITL	CAPITL	0	0	New York Munil	N/A			
40	141	184	1-Sep-99	30-Jun-13	23760	NIAGARA	WEST	61752	WEST	WEST	38	38	New York State	N/A			
41	142	185	1-Sep-99	30-Jun-13	23600	ST LAWREN	NORTH	61755	NORTH	NORTH	239	239	New York Powe	N/A			
42	143	186	1-Sep-99	30-Jun-13	23600	ST LAWREN	NORTH	61755	NORTH	NORTH	239	239	New York Powe	N/A			
43	144	187	1-Sep-99	30-Jun-13	23600	ST LAWREN	NORTH	61755	NORTH	NORTH	12	12	New York Powe	N/A			
44	173	215	1-Sep-99	31-Dec-40	61756	MHK VL	MHK VL	61756	MHK VL	MHK VL	1	1	Niagara Mohaw	N/A			

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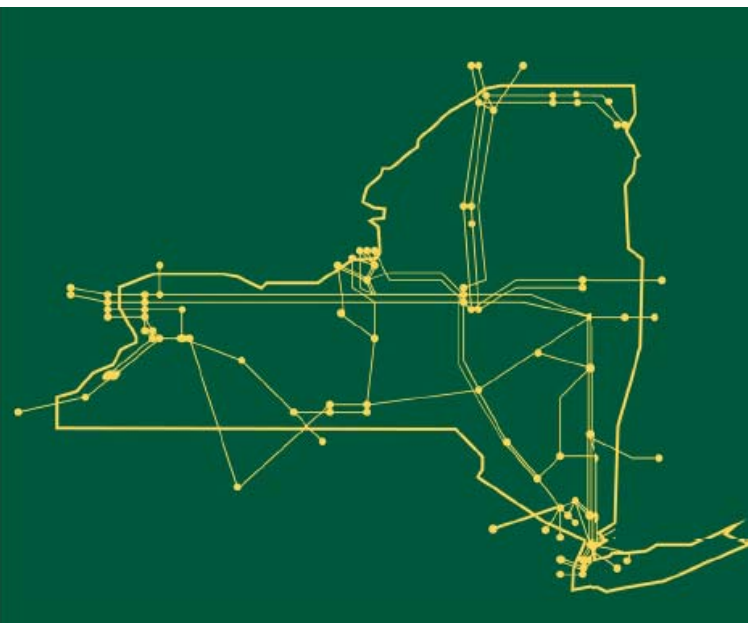
Output of the Summary of Transmission Contracts is the same....post-deployment

Microsoft Excel - transmission-contracts[1].csv

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Contract Id	Att L Ref	Start Date	End Date	POI ID	POI Name	POI Zone	POW ID	POW Name	POW Zone	MW Summer	MW Winter	Primary Holder	Market Ctr Price	Ref Cont Id		
1	1	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61758	HUD VL	HUD VL	101	101	Central Hudson (N/A				
2	3	1-Sep-99	31-Dec-50	61758	HUD VL	HUD VL	61759	MILLWD	MILLWD	300	300	Central Hudson (N/A				
3	4	1-Sep-99	31-Dec-50	61756	MHK VL	MHK VL	61757	CAPITL	CAPITL	25	25	Central Hudson (N/A				
4	5	1-Sep-99	31-Dec-50	23526	BOVLINE	HUD VL	61759	MILLWD	MILLWD	5	5	Consolidated Edi N/A				
5	6	1-Sep-99	31-Dec-50	23595	BOVLINE	HUD VL	61759	MILLWD	MILLWD	5	5	Consolidated Edi N/A				
6	9	1-Sep-99	31-Dec-50	23598	FITZPATRICI	CENTRL	61762	LONGIL	LONGIL	103	100	Long Island Pow N/A				
7	11	1-Sep-99	31-Dec-50	61760	DUNWOD	DUNWOD	61762	LONGIL	LONGIL	307	300	Long Island Pow N/A				
8	13	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61762	LONGIL	LONGIL	206	206	Long Island Pow N/A				
9	14	1-Sep-99	30-Apr-15	23599	GILBOA	CAPITL	61762	LONGIL	LONGIL	50	50	Long Island Pow N/A				
10	17	1-Sep-99	31-Dec-50	23543	KINTIGH	WEST	61757	CAPITL	CAPITL	72	72	New York State I N/A				
11	20	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61759	MILLWD	MILLWD	122	122	New York State I N/A				
12	18	1-Apr-04	30-Apr-04	23744	NINE_MILE	CENTRL	61759	MILLWD	MILLWD	50	50	New York State I	828.21	18		
13		1-May-04	31-May-04	23744	NINE_MILE	CENTRL	61759	MILLWD	MILLWD	50	50	New York State I	757.43	18		
14	19	1-Sep-99	31-Dec-50	23744	NINE_MILE	CENTRL	61757	CAPITL	CAPITL	65	65	New York State I N/A				
15	20	1-Sep-99	31-Dec-50	61756	MHK VL	MHK VL	61758	HUD VL	HUD VL	15	15	New York State I N/A				
16	21	1-Sep-99	31-Dec-50	61756	MHK VL	MHK VL	61757	CAPITL	CAPITL	25	25	New York State I N/A				
17	43	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61762	LONGIL	5	5	New York Power N/A				
18	44	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61762	LONGIL	37	37	Freeport Electric N/A				
19	45	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61759	MILLWD	1	1	Freeport Electric N/A				
20	46	65	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61762	LONGIL	29	29	Village of Rockvil N/A				
21	47	66	1-Sep-99	31-Dec-50	23760	NIAGARA	WEST	61752	WEST	0	0	Niagara Mohawk N/A				
22	48	73	1-Sep-99	31-Dec-50	61758	HUD VL	61758	HUD VL	HUD VL	0	0	New York Power N/A				
23	50	74	1-Sep-99	31-Oct-11	23598	FITZPATRICI	CENTRL	61762	LONGIL	5	5	New York Power N/A				
24	51	74	1-Sep-99	30-Jun-11	23598	FITZPATRICI	CENTRL	61762	LONGIL	5	5	New York Power N/A				
25	52	75	1-Sep-99	31-Dec-50	23598	FITZPATRICI	CENTRL	61762	LONGIL	26	26	New York Power N/A				
26	53	76	1-Sep-99	31-Dec-50	23598	FITZPATRICI	CENTRL	61762	LONGIL	60	68	New York Power N/A				
27	56	80	1-Sep-99	31-Dec-11	23598	FITZPATRICI	CENTRL	61756	MHK VL	46	46	Niagara Mohawk N/A				
28	57	81	1-Sep-99	31-Dec-50	23598	FITZPATRICI	CENTRL	61754	CENTRL	56	56	New York Power N/A				
29	58	81	1-Sep-99	31-Dec-50	23598	FITZPATRICI	CENTRL	61754	CENTRL	12	12	New York Power N/A				
30	65	85	1-Sep-99	31-Oct-13	23760	NIAGARA	WEST	61757	CAPITL	6	6	New York Munic N/A				
31	76	92	1-Sep-99	31-Dec-50	23598	FITZPATRICI	CENTRL	61755	NORTH	17	17	New York Power N/A				
32	77	98	1-Sep-99	31-Dec-50	23600	ST LAWREN	NORTH	61752	WEST	1	1	New York Power N/A				
33	78	99	1-Sep-99	30-Jun-13	23760	NIAGARA	WEST	61752	WEST	210	210	Niagara Mohawk N/A				
34	79	100	1-Sep-99	31-Dec-12	23760	NIAGARA	WEST	61752	WEST	445	445	Niagara Mohawk N/A				
35	82	103	1-Aug-99	30-Jun-15	23802	INDECK	CAPITL	24000	PLEASANTV	134	134	Indeck-Corinth Lf N/A				
36	83	104	1-Sep-99	31-Aug-14	23799	SELKIRK	CAPITL	24000	PLEASANTV	270	270	Selkirk Cogen P N/A				
37	84	105	1-Sep-99	31-Jul-12	23791	NEG WEST	WEST	24039	GARDENVILI	100	100	New York State I N/A				
38	110	160	1-Sep-99	31-Oct-13	23598	FITZPATRICI	CENTRL	61762	LONGIL	1	1	New York Power N/A				
39	119	163	1-Sep-99	31-Oct-13	24063	O.H_GEN_EO H	61757	CAPITL	CAPITL	0	1	New York Munic N/A				
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42	143	186	1-Sep-99	30-Jun-13	23600	ST LAWREN	NORTH	61755	NORTH	239	239	New York Power N/A				
43	144	187	1-Sep-99	30-Jun-13	23600	ST LAWREN	NORTH	61755	NORTH	12	12	New York Power N/A				
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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 conducts comprehensive planning for the state's bulk electricity system.



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