NYISO Business Issues Committee Meeting Minutes July 11, 2018 10:00 a.m. – 11:00 a.m.

1. Introductions, Meeting Objectives, and Chairman's Report

Mr. Dan Mahoney (NYPA) called the meeting to order at 10:00 a.m. by welcoming the members of the BIC. The members of the BIC identified themselves and attendance was recorded. A quorum was determined.

2. Market Operations Report and Broader Regional Markets Report

Mr. Rana Mukerji (NYISO) reviewed the Market Operations report posted with the meeting material. There were no questions or comments.

Mr. Mukerji reviewed the Broader Regional Markets report included with the meeting material. There were no questions or comments.

3. Public Website Redesign

Mr. Dave O'Brien (NYISO) provided an update regarding the status of the ongoing website redesign initiative.

Mr. Howard Fromer (PSEG) recommended that the NYISO consider enhancing the calendar functionality to allow users that are logged in to their My NYISO account to view which upcoming committee meetings they have registered for.

Mr. John Cordi (NYPA) recommended that stakeholders interested in improving functionality and use of the website strongly consider participating in the website redesign focus group meetings.

Mr. Matt Cinadr (E-Cubed) noted that certain links are currently not functioning on the website and asked whether these issues would be corrected as part of the website redesign. Ms. Megan Schanstra (NYISO) noted that the website redesign will include a custom landing page to assist users that may encounter links that no longer exist due to updated layout and location of documents and information.

Mr. Alan Ackerman (Customized Energy Solutions) requested that the redesigned website include "google-like" search functionality. Mr. O'Brien stated that the advanced search functionality being deployed as part of the redesign is intended to address concerns that have been raised regarding the limitations of the current search functionality

Mr. Fromer asked for clarification regarding the timing for deploying the new website. Mr. O'Brien stated that the NYISO currently plans to deploy the redesigned website before the end of 2018.

Mr. Cordi suggested that the NYISO consider adding a direct link on the advanced search page to access the eTariff Viewer.

4. Vice Chair Election

Aaron Breidenbaugh (Consumer Power Advocates) was elected to serve as the new Vice Chair of BIC for the balance of 2017-2018 term.

5. Historic Congestion Data Enhancements

Mr. Tim Duffy (NYISO) provided an overview of proposed enhancements to the historic congestion data reported by the NYISO.

Mr. Mark Younger (Hudson Energy Economics) asked that the NYISO consider providing the 2018 data as separate quarterly reports rather than a single annual report.

Ms. Jane Quin (Con Edison) noted support for the new data the NYISO is proposing to provide, but believes it is premature to eliminate the current reporting that provides for a comparison to a completely unconstrained system given the ongoing comprehensive review of the planning process. As a result, Ms. Quin stated that Con Edison plans to abstain from the vote to recommend approval of the NYISO's proposal.

Motion #1:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve revisions to the Open Access Transmission Tariff, as more fully described in the presentation entitled "Historic Congestion Data: Proposed Enhancements" made to the BIC on July 11, 2018.

Motion passed unanimously with abstentions.

Working Group Updates

• <u>Billing and Accounting and Credit Working Group</u>: The group met on June 22, 2018 and reviewed the standard accounting/settlement reports, and an overview of new billing codes that will be introduced relating to the Generator Deactivation Process.

• <u>Electric System Planning Working Group</u>: The group has met twice since the last BIC meeting. The group met on June 22, 2018 and reviewed preliminary results for the 2018 Reliability Needs Assessment. On June 28, 2018, the group met and reviewed the results of the Generator Deactivation Assessment for Pilgrim GT1 and GT2, and a local transmission plan update from PSEG Long Island.

• Installed Capacity Working Group: The group met jointly with MIWG on July 10, 2018 and reviewed proposed revisions to the Load Forecasting Manual related to Behind-the-Meter Net Generation Resources.

• Electric Gas Coordination Working Group: The group has not met since the last BIC meeting.

• Load Forecasting Task Force: The group has not met since the last BIC meeting.

• <u>Market Issues Working Group</u>: The group has met twice since the last BIC meeting. The group met on June 25, 2018 and reviewed upcoming changes to the password requirements for NYISO Market Information System accounts, proposed settlement rules related to the participation of energy storage resources (ESRs) in the wholesale market, and initial results from an assessment of historic transmission constraint pricing outcomes in connection with the ongoing Constraint Specific Transmission Shortage Pricing initiative. On July 10, 2018, the group met jointly with ICAPWG and reviewed survey results related to the upcoming Autumn 2018 Centralized TCC Auction, and proposed energy market mitigation rules for ESRs participating in the wholesale market.

• Price Responsive Load Working Group: The group has not met since the last BIC meeting.

6. New Business

There was no new business.

The meeting adjourned at 11:00 a.m.

Business Issues Committee Meeting July 11, 2018 Final Motions

<u>Motion #1</u>:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve revisions to the Open Access Transmission Tariff, as more fully described in the presentation entitled "Historic Congestion Data: Proposed Enhancements" made to the BIC on July 11, 2018.

Motion passed unanimously with abstentions.

**Aaron Breidenbaugh was elected Vice Chair for the remainder of the 2017-2018 term.

New York Independent System Operator - Committee Membership

Business Issues Committee - July 11, 2018 - NYISO - Parties Checked in Attendance

organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
storia Energy LLC	Generation Owners	McCall, Chuck	Browne, Scott	Habib , Phillipe	Singer, Leonard						
onne Energy Center, LLC	Generation Owners	Allman, Ellen	Yang, Sue	Caplan, Stu							
Valley LLC	Generation Owners	Litchfield , Matt	Rumsey, Tom								
ne	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve						
ket Valley Energy Center	Generation Owners	Davis , Charles	Wallenstein, Arnold	Paryl , Ron							
skammer Energy, LLC	Generation Owners	Reid, William	Cada, Eric								
Renewables North America LLC	Generation Owners	Brodbeck, John	Kaplan , Seth	Nemeth, Jeffrey	High , Jeremy	Priemer, Dustin					
Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	Lee, Tina	Franzetti, Paul						
ire Generating Co, LLC	Generation Owners	Nuss , Kurt	Argetsinger, Andrew	Willson, Darrell	Swenson, Nils						
rgy Nuclear Northeast	Generation Owners	Dell Orto , Ken	🗸 Saia, Doreen	Bergeron, John							
x Ravenswood LLC	Generation Owners	D'Andrea , James	Kline, Marc	DiBari , Dominic							
ard Wind LLC	Generation Owners	Merich, Olivia	Rugh , Chris								
k Energy Services, Inc.	Generation Owners	Ferguson, Mike	Vounger, Mark								
vative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
nergy Energy Management LLC	Generation Owners	Pakula , Maggie	Goldstein, Michael	Orzel, Chris							
nal Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
e Environmental Power LLC	Generation Owners	Silton , Harry									
rk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan, James								
erset Operating Company, LLC	Generation Owners	Gregson, Brian	Goodenough, Jeery	Evanoski, Dave							
nergy LLC	Other Suppliers	Ni, Bing	Lee, George								
Energy Company	Other Suppliers	Chintapalli , Raj	Magruder , Kathy	🖌 Ackerman, Alan							
Jrja Power, LLC	Other Suppliers	Moore, Cody	Ward, Roxie								
Rock Energy, Inc.	Other Suppliers	Nichols , Jim	Yeager, Keith	VanHorne, Phil	Graham , Tammy						
kfield Energy Marketing L.P.	Other Suppliers	LaRoe , Chris	Mitreski, Aleksandar	Mitelman, Rimma	Dallaire, Eric						
ver	Other Suppliers	Dotson-Westphalen , Peter	Hourihan, Michael	Damaskos, Deno	Campbell, Bruce						
eton Commodities Merchant Trading L.P.	Other Suppliers	Stuss, Gordon	Romine, Brad	Emmett, Robert	Cumpton , Brace						
group Energy Inc.	Other Suppliers	Trayers, Barry	Romme, Brad	Emilieu , Robert							
Edison Solutions Inc.	Other Suppliers	Mah, Norman	Dannels, Jeff								
stellation New Energy	Other Suppliers	Barlette, Richard	Kirk, Steven								
s Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
Energy	Other Suppliers	Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
Energy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	German , Robert							
ct Energy Business Marketing, LLC	Other Suppliers	Galarneau, Kenneth	Philips , Marjorie	Comstock, Read							
	Other Suppliers	Tilley, Alan		Comstock, Read							
Marketplace, Inc. egy Marketing and Trade	Other Suppliers	Frazier, Amanda	Robinson , Greg Allen , Sean								
Trading North America, LLC	Other Suppliers	Erbrick , Michael	LeForce, Randall								
The Energy Marketing NA, Inc.	Other Suppliers	Levine , Jeffrey	Hawkins, Darin	Campbell , Chad							
ern Generation	Other Suppliers	Baker, Liam	Reese, John	Vounger, Mark	Schwall , Matthew	Johnson . David	Wolcott, Tyler				
				V Tounger, Mark	Schwall, Matulew	Johnson , David	wolcott, Tylei				
Noc	Other Suppliers	Brewster, David	Geller, Greg	Naiheren De 11	Tolecit A	Dec D1	Dondard WP1P	William Chini	Cinadr , Matt		
gy Spectrum	Other Suppliers	David, Gary	Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas, Cristina	Cinadr , Matt		
gy Technology Savings	Other Suppliers	Hendler, Jeff	Ross, Valerie								
on Generating Co. LLC	Other Suppliers	Barlette, Richard	Kirk , Steven								
Power	Other Suppliers	Fernands, Rochelle	Ackerman, Alan								
Energy Services US	Other Suppliers	Plante, Matthieu	Leuthauser, Scott	Guilbault, Louis	Bélanger, Frédéric						
ventive Power	Other Suppliers	Gruber , Craig	Halford, Steve								
sdale Biomass, LLC	Other Suppliers	Ralston, William	Hebel, Nathan	Carrigan, Kathleen							
uria Energy America, Inc.	Other Suppliers	Davis , Andrew	Vounger, Mark	Frye, Samuel							
an Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							
Power Marketing Inc.	Other Suppliers	Hsia, Jennifer	Cona , Lisa	Kranz , Bradley							
York Transco	Other Suppliers	Nachmias, Stuart	Hitti , Nabil	Caso , Rob	Carrigan, Kathleen	Dumais, Paul	McKinney, Jeff				
čra Energy	Other Suppliers	Applebaum, David	Gardner, Michelle	Gibelli , Stephen							
io Power Generation, Inc.	Other Suppliers	Lacivita, Ken	Gell, Richard	Barr, David	Sheinfield, Joel						
Energy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	DePillo, Raymond	Cimino , David	Murawski, James						
bay Corporation	Other Suppliers	Merola, Peter	Ellison, Noel								
CO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Energy North America, LLC	Other Suppliers	Picardi, Matt									
n Energy	Other Suppliers	Hohenshilt, Jennifer	Labella , Julie	Raggio , Debra							
Canada Power Marketing, Ltd.	Other Suppliers	Cahill, Paul	Schuler, Richard	Murphy , Tonya							
lity Energy, Inc.	Other Suppliers	Freifeld, Allen									

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
Vitol Inc.	Other Suppliers	Wadsworth , Joe	Viola , Bob	Kahn , Casey				
XO Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson, Matthew	Hughes, Adam				
Central Hudson Gas & Electric Corp.	Transmission Owners	✓ Borchert , John	Chan, Ting	May , Jeff	Dittmann, David			
Consolidated Edison Co. of NY, Inc.	Transmission Owners	🗸 Quin , Jane	Nachmias, Stuart	Butler, Scott	✓ Hargett, Chris	Butterklee, Neil		
National Grid	Transmission Owners	🗸 Janzen , Margaret	Lodemore, David	✓ Carron , Benjamin				
New York State Electric & Gas (NYSEG)	Transmission Owners	Caletka, Patricia	Lynch , Tim	Brophy , Richard				
Orange & Rockland Utilities, Inc.	Transmission Owners							
Rochester Gas and Electric Corp.	Transmission Owners	Caletka, Patricia	Lynch , Tim	Brophy , Richard				
Alcoa, Inc.	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	🖌 Lang, Kevin			
IBM Corporation	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	🖌 Lang, Kevin			
Nucor Steel Auburn, Inc.	Large Consumer	Brew, James	Mackaronis, Chris					
Occidental Chemical Corp.	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	🗸 Lang, Kevin			
Wegmans Food Markets	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	🖌 Lang, Kevin			
Metropolitan Transportation Authority	Large Consumer Government Agency	Keller , David	Chou, Frances					
American Sugar Refining, Inc	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Association for Energy Affordability	Small Consumer	Strauss, Valerie	Hepinstall, David	Farmer, Miles				
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	🗸 Breidenbaugh , Aaron	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Fordham University	Small Consumer	Luthin, Catherine	🗸 Breidenbaugh , Aaron	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Memorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	✓ Breidenbaugh , Aaron	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda		
New York University	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Utility Intervention Unit, Division of Consumer Protection, NY Dept. of State	Government Statewide Consumer Advocate	Hogan , Erin	Montalvo, Marc	Kordonis, Dimitrios	Zimmerman, Michael			
City of New York	Government Small Consumer and Retail Aggregate	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda				
NYS Energy Research & Dev. Authority	Government Small Consumer and Retail Aggregate	Hall , Christopher	Coup, David	Mas , Carl	Wilcox, James	Matteson , Schuyler		
Long Island Power Authority	State Power Authorities	Clarke, Dave	Wilczek, Mariann	,				
New York Power Authority	State Power Authorities	Antinori, Andrew	Lundin , Tim	Mahoney , Daniel				
Bath Electric, Gas & Water Systems	Municipalities and Coops	Bonacci, Erin	Wentlent, Chris	Cordeiro, Mark				
Freeport Electric	Municipalities and Coops	Livingston , Al	Kimlingen, Ted	Rudebusch, Tom	Fiore , Chris			
Jamestown Board of Public Utilities	Municipalities and Coops	Sellstrom, Kris	Leathers, David	Allen , Cory	Rudebusch, Tom			
Lake Placid Village	Municipalities and Coops	Daby , Kimball	Wentlent, Chris	Cordeiro, Mark				
Municipal Commission of Boonville Plattsburgh Municipal Lighting Dept	Municipalities and Coops Municipalities and Coops	Varner , Doug Treacy, William	Wentlent, Chris Wentlent, Chris	Cordeiro, Mark Cordeiro, Mark				
Village of Arcade	Municipalities and Coops	Kilburn, Larry	Wentlent, Chris	Cordeiro, Mark				
Village of Fairport	Municipalities and Coops	Hegarty, Matt	Wentlent, Chris	Cordeiro, Mark				
Village of Rockville Centre	Municipalities and Coops	Andreas, Philip	Valenzano, Michael	Rudebusch, Tom				
Village of Solvay	Municipalities and Coops	Hawksby, Joe	Wentlent, Chris	Cordeiro, Mark				
Village of Westfield	Municipalities and Coops	Thompson , Andrew	Wentlent, Chris	Cordeiro, Mark				
American Wind Energy Association	Environmental	Reynolds, Anne	Reeder, Mark	Beck , Betsy	Goggin , Michael	Grace, Gene		
Environmental Advocates	Environmental	Bambrick , Conor	Farmer, Miles	Morris, Jackson				
Environmental Defense Fund	Environmental	Christian, Rory	Stein, Elizabeth					
Natural Resources Defense Council	Environmental	Farmer, Miles	Morris, Jackson	De Costanzo, Donna				
PACE Energy & Climate Center	Environmental	Musgrove , Sheryl	Taylor, Geordi	Farmer, Miles				
Riverkeeper AEP On-Site Partners, LLC	Environmental Non Voting	Gallay , Paul Jansen , Joel	Jones , Abigail Kakodkar , Guatam	Doran, Erin				
AEF OILSINE FAIlures, EEC AES ES Holdings LLC	Non Voting	Hillman, Sharon	Kumaraswarmy , Kiran					
Acadia Center	Non Voting	Howland, Jamie	Howe, Cullen					
Acadia Energy Corporation	Non Voting	Rappaport, Jason	Bay, John					
Alliance for Clean Energy New York	Non Voting	Reynolds, Anne	Dufresne, Zach	Reeder, Mark				
Anbaric Northeast Transmission Development Co.	Non Voting	Sanderson, Barry	Kosel, Howard					
Appian Way Energy Partners East, LLC	Non Voting	Levy, Tal	Klein, Abram	Shen, Dong	Westlund , John	Laich , Marcus		
Ardor Energy LLC	Non Voting	Breen, Erika						
Avangrid Renewables, Inc.	Non Voting	Kilgallen , Kevin	Sokolski , Adam					
Boston Energy Marketing & Trading	Non Voting	Kramek , Mike						
Bruce Power	Non Voting	Jain, Anshul Kaawill, Gary	Meyer, Sandra	Corbon Mitch -11				
Caithness Energy LLC Calpine Energy Solutions	Non Voting Non Voting	Keevill, Gary	Alvarez, Asavari	Garber, Mitchell Sunga , Leonard				
Canandaigua Power Partners, LLC	Non Voting	Sun , Jungsuk Keene , John	Nakhonthap , Jade Gaddes , Caleb	🗸 Sunga, Leonard				
Cubit Power One Inc.	Non Voting	Powell, Alan	Powell, Leighton	Singer, Leonard				
Customized Energy Solutions	Non Voting	Mancini, Rick	Fernands, Stephen	Rexrode, Caryn	Ackerman, Alan			
Cypress Creek Renewables	Non Voting	Kohlstedt, Kevin	Kemp, Melissa	Salehian, Afshin				
Earth Networks	Non Voting	Crawford , Jaden	• /					
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te6	Alternate7	Proxy	Guest

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
Ecesis LLC	Non Voting	Wu , Brian						
Energya VM	Non Voting	Garcia, Francisco	Maeso, Manual	Lopez, Ana	Corvillo, Cristina			
Fluent Energy	Non Voting	Acampora, Peter	Doll, Ed					
GI Energy	Non Voting	Falcier, Peter	Robinson, James					
Hudson River Energy Group	Non Voting	Radigan, Frank	Canfield, Richard					
Hydro-Quebec TransEnergie	Non Voting	Prevost, Michel						
ITC Mid-Atlantic Development LLC	Non Voting	Wrenbeck, Tom	Benedict, Nathan					
Institute for Policy Integrity at NYU School of Law	Non Voting	Unel, Burcin	Noll, Bethany					
Key Capture Energy	Non Voting	Fitzgerald, Dan	Bishop, Jeff					
MAG Energy Solutions, Inc.	Non Voting	Pelletier, Simon	Vezina, Alexandre					
NRG Curtailment Solutions, Inc.	Non Voting	Popova, Julia	Ainspan, Malcolm	Pieniazek, Marie				
NY-BEST Consortium	Non Voting	Acker, William	Sheehan, Denise					
NYS Department of Public Service	Non Voting	Paynter, Thomas	Evans, Adam					
National Fuel Gas Distribution Corporation	Non Voting	Novak, Michael	Eck, Robert					
New Athens Generating Co. LLC	Non Voting	Tripp, Hank						
North America Transmission, LLC	Non Voting	Willick , Lawrence	🗸 York , Joshua					
Northeast Clean Heat & Power Initiative	Non Voting	Venkataraman, Sree	Brown, Ruben	Cinadr , Matt	Dwyer , Herb			
Northline Utilities LLC	Non Voting	McKinney , Jeff	Danskin, Susan					
NuEnergen	Non Voting	Hamilton , Sandy	Korczykowski, Ryan					
Power Supply Services LLC	Non Voting	Phillips, Gabriel	Abend , Erik					
RBC Energy Services, LP	Non Voting	Burnham, Steve	Fraiture, Christian	Doolittle, Robin				
RENEW Northeast	Non Voting	Pullaro, Francis	Krich, Abigail					
RES Americas, Inc.	Non Voting	Fernandes, John	Boyd, Dan					
Red Wolf Energy Trading, LLC	Non Voting	Christian, Adam						
Richard P. Felak	Non Voting	Felak, Rich						
STEM, Inc.	Non Voting	Ko , Ted						
Saracen Energy East LP	Non Voting	Peebles , Andy						
Siemens Energy, Inc.	Non Voting	Feltes, James						
Stephentown Spindle, LLC	Non Voting	Hebert, Chris						
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page, Allan					
Teichos Energy, LLC	Non Voting	Maclearnsberry, Kirk	VanCoevering, Darrel					
Tesla Motors, Inc.	Non Voting	Burson, Kate	Van Cleve, Sarah	Watson, Betty				
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis, Ted	Abend , Erik					
Transmission Developers Inc.	Non Voting	Jessome, Donald	Helmer, William	Harrison , Bob				
Transource New York, LLC	Non Voting	Burkholder, Joshua						
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim		

)	Alternate7	Proxy	Guest

NYISO Employees

Bissell, Garrett Bub, John Mukerji, Rana O'Brien, David Seibert, Mark Eckels, Debbie Dixon, Kirk Duffy, Timothy