
NYISO Business Issues Committee Meeting Minutes
April 11, 2018
10:00 a.m. – 10:40 a.m.

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

Mr. Andy Antinori (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. Approval of BIC Minutes

It was noted that a suggested edit from LIPA related to the Alternative Methodology for Calculating Locational Minimum Installed Capacity Requirements (LCRs) discussion was included in version of the draft minutes for the February 14, 2018 BIC meeting that were posted with the meeting material. There were no additional comments or questions.

Motion #1:

Motion to approve the Minutes of the February 14, 2018 BIC meeting.

Motion passed unanimously.

3. Market Operations Report and Broader Regional Markets Report

Dr. Nicole Bouchez (NYISO) reviewed the Market Operations report posted with the meeting material. There were no questions or comments.

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

4. Public Website Redesign Update

Mr. Dave O'Brien (NYISO) reviewed the presentation included with the meeting material.

Mr. Alan Ackerman (Customized Energy Solutions) noted that improvements to the search functionality are needed. Ms. Megan Schanstra (NYISO) stated that the NYISO will seek to improve search functionality as part of the new website roll out which is currently scheduled for deployment by the end of 2018.

Mr. John Cordi (NYPA) suggested that NYISO consider offer training to help assist market participants with updating automatic data scraping functionality and becoming familiar with changes to the website that will be deployed. Mr. O'Brien noted that the NYISO plans to provide regular communications as the project proceeds to inform market participants of the proposed changes and enhancements to the website.

Mr. Mark Younger (Hudson Energy Economics) asked whether the NYISO will be looking to improve aggregation of similar document types into common locations on the website to enhance ease of access to materials. Mr. O'Brien explained the new website will include improved search functionality, which is intended to assist with improved access to documents. Ms. Schanstra also noted that, as part of the project, the NYISO will be looking at improved aggregation of documents on the public website.

Mr. Howard Fromer (PSEG) asked whether the improved document tagging and search functionality will include past NYISO documents. Ms. Schanstra clarified that the improved document tagging will be a going forward process for new documents only, but the improved search functionality that is being developed is intended to improve access to all past documents.

Mr. Fromer asked whether the proposed enhancements will address current issues that have been experienced with accessing confidential/CEII documents that are obtained as part of search results by market participants that have the

necessary authorization to access such documents. Mr. O'Brien stated that access to confidential/CEII documents through search results produced by the website's search functionality will be considered as part of the project.

Mr. Ting Chan (Central Hudson) suggested that, as part of improved search functionality, providing a document path to the folder/location on the website where documents are stored could improve market participant ease in accessing past documents. Ms. Schanstra stated that providing the file path for documents will be part of the improved search functionality.

Mr. Chan suggested that the NYISO consider improved functionality for accessing and downloading past capacity market data to include functionality similar to energy market data available through the website. Mr. Scott Leuthauser (HQUS) noted his support for Mr. Chan's suggestion. Mr. O'Brien noted that this is not likely within the scope for the website redesign project and would need to be addressed through considering the establishment of a separate project if desired by market participants.

Mr. Cordi suggested that the NYISO consider including commonly searched historical documents, such as past Load and Capacity Data (Gold Book) reports, within the scope of the documents to be subject to the improved document tagging functionality. Ms. Schanstra stated that the NYISO would be open to further considering inclusion of prior Gold Book reports as part of the improved document tagging and suggested that market participants provide feedback on whether there are additional past reports that may be of significant interest to be further considered for inclusion in the improved document tagging functionality.

5. Working Group Updates

- Billing and Accounting and Credit Working Group: The group has not met since the last BIC meeting.
- Electric System Planning Working Group: The group met on April 5, 2018 and reviewed base case assumptions and potential scenarios for the 2018 Reliability Needs Assessment (RNA), and an update regarding the ongoing AC Transmission Public Policy Transmission Need study process.
- Installed Capacity Working Group: The group has not met since the last BIC meeting.
- Electric Gas Coordination Working Group: The group has not met since the last BIC meeting.
- Load Forecasting Task Force: The group met on March 23, 2018 and reviewed the 2018 long-term peak load and energy forecasts, and a comparison of econometric and end-use load forecasting models, including a presentation by Itron regarding the development of a statistically adjusted end-use (SAE) forecast model for New York.
- Market Issues Working Group: The group has met twice since the last BIC meeting. The group met on April 3, 2018 and reviewed considerations related to a potential flexible ramping product, and a review of potential efforts to evaluate more frequent interregional transaction scheduling. The group also met on April 10, 2018 and reviewed an update regarding the ongoing study related to evaluating potential enhancements to the current transmission constraint pricing logic, three initiatives related to re-evaluating Ancillary Services products and shortage pricing, and a review of current mechanisms to incent resources to follow NYISO real-time dispatch instructions.
- Price Responsive Load Working Group: The group has not met since the last BIC meeting.

6. New Business

There was no new business.

Meeting adjourned at 10:40 a.m.

Business Issues Committee
April 11, 2018
Final Motions

Motion #1:

Motion to approve the Minutes of the February 14, 2018 BIC meeting.

Motion passed unanimously.

New York Independent System Operator - Committee Membership

Business Issues Committee - April 11, 2018 - KCC - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Astoria Energy LLC	Generation Owners	McCall, Chuck	Browne , Scott	Habib , Phillipe	Singer, Leonard						
Bayonne Energy Center, LLC	Generation Owners	Allman , Ellen	Yang , Sue	Caplan , Stu							
CPV Valley LLC	Generation Owners	Litchfield , Matt	Rumsey , Tom								
Calpine	Generation Owners	Kruse, Brett	Reitmeyer , Jay	Flumerfelt, John	Schleimer , Steve						
Cricket Valley Energy Center	Generation Owners	Davis , Charles	Wallenstein , Arnold	Paryl , Ron							
Danskammer Energy, LLC	Generation Owners	Reid , William	Cada , Eric								
EDP Renewables North America LLC	Generation Owners	Brodbeck , John	Kaplan , Seth	Nemeth , Jeffrey	High , Jeremy	Priemer , Dustin					
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty , Thomas	Lee , Tina	Franzetti , Paul						
Empire Generating Co, LLC	Generation Owners	Nuss , Kurt	Argetsinger , Andrew	Willson , Darrell	Swenson , Nils						
Entergy Nuclear Northeast	Generation Owners	Dell Orto , Ken	Saia, Doreen	Bergeron , John							
Helix Ravenswood LLC	Generation Owners	D'Andrea , James	Kline , Marc	DiBari , Dominic							
Howard Wind LLC	Generation Owners	Merich , Olivia	Rugh , Chris								
Indeck Energy Services, Inc.	Generation Owners	Ferguson, Mike	✓Younger, Mark								
Innovative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
Invenergy Energy Management LLC	Generation Owners	Pakula , Maggie	Goldstein , Michael	Orzel , Chris							
National Grid Generation LLC	Generation Owners	Kain , Terrence	McCabe , Brian								
Noble Environmental Power LLC	Generation Owners	Silton , Harry									
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan , James								
Somerset Operating Company, LLC	Generation Owners	Gregson , Brian	Goodenough , Jeery	Evanoski , Dave							
BJ Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
BP Energy Company	Other Suppliers	Chintapalli , Raj	Magruder , Kathy	✓Ackerman, Alan							
BioUrja Power, LLC	Other Suppliers	Moore , Cody	Ward , Roxie								
BlueRock Energy, Inc.	Other Suppliers	Nichols , Jim	Yeager , Keith	VanHorne , Phil	Graham , Tammy						
Brookfield Energy Marketing L.P.	Other Suppliers	✓LaRoe , Chris	Mitreski , Aleksandar	Mitelman , Rimma	Dallaire , Eric						
CPower	Other Suppliers	Dotson-Westphalen , Peter	Hourihan , Michael	Damaskos , Deno	Campbell , Bruce						
Castleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss , Gordon	Romine , Brad	Emmett , Robert							
Citigroup Energy Inc.	Other Suppliers	Trayers, Barry									
Con Edison Solutions Inc.	Other Suppliers	Mah, Norman	Dannels , Jeff								
Constellation New Energy	Other Suppliers	Barlette , Richard	Kirk , Steven								
Cross Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
DC Energy	Other Suppliers	Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
DTE Energy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	German , Robert							
Direct Energy Business Marketing, LLC	Other Suppliers	✓Galarneau , Kenneth	Philips , Marjorie	Comstock , Read							
Drift Marketplace, Inc.	Other Suppliers	Tilley , Alan	Robinson , Greg								
Dynergy Marketing and Trade	Other Suppliers	Roby , Rick	Ellis, Dean	Ziegler , Pete							
EDF Trading North America, LLC	Other Suppliers	Erbrick , Michael	LeForce , Randall								
ENGIE Energy Marketing NA, Inc.	Other Suppliers	Levine , Jeffrey	Hawkins , Darin	Campbell , Chad							
Eastern Generation	Other Suppliers	Baker, Liam	Reese, John	✓Younger, Mark	✓Schwall , Matthew	Johnson , David	Wolcott , Tyler				
EnerNoc	Other Suppliers	Brewster, David	Geller , Greg								
Energy Spectrum	Other Suppliers	David, Gary	Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland , William	Villegas , Cristina	Cinadr , Matt		
Energy Technology Savings	Other Suppliers	Hendler , Jeff	Ross , Valerie								
Exelon Generating Co. LLC	Other Suppliers	Barlette , Richard	Kirk , Steven								
Galt Power	Other Suppliers	Fernands , Rochelle	✓Ackerman, Alan								
HQ Energy Services US	Other Suppliers	Plante , Matthieu	✓Leuthauser, Scott	Guilbault , Louis	Bélangier , Frédéric						
Innoventive Power	Other Suppliers	Gruber , Craig	Halford , Steve								
Lyonsdale Biomass, LLC	Other Suppliers	Ralston , William	Hebel , Nathan	Carrigan , Kathleen							
Mercuria Energy America, Inc.	Other Suppliers	Davis , Andrew	✓Younger, Mark	Frye , Samuel							
Morgan Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							
NRG Power Marketing Inc.	Other Suppliers	Joseph , Kelli	Fuller , Peter	Cona , Lisa							
New York Transco	Other Suppliers	Nachmias, Stuart	Hitti , Nabil	Caso , Rob	Carrigan , Kathleen	Dumais , Paul	McKinney , Jeff				
NextEra Energy	Other Suppliers	Applebaum, David	Gardner , Michelle	Gibelli , Stephen							
Ontario Power Generation, Inc.	Other Suppliers	Lacivita, Ken	Gell, Richard	Barr, David	Sheinfield , Joel						
PSEG Energy Resource & Trade, LLC	Other Suppliers	✓Fromer, Howard	DePillo , Raymond	Cimino , David	Murawski , James						
Riverbay Corporation	Other Suppliers	Merola , Peter	Ellison , Noel								
SESCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt									
Talen Energy	Other Suppliers	Hohenshilt , Jennifer	Labella , Julie	Raggio , Debra							
TransCanada Power Marketing, Ltd.	Other Suppliers	Cahill , Paul	Schuler , Richard	Murphy , Tonya							
Viridity Energy, Inc.	Other Suppliers	Freifeld , Allen									
Vitol Inc.	Other Suppliers	Wadsworth , Joe	Viola , Bob	Kahn , Casey							

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
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	Kinney, Ray	Brophy , Richard							
Orange & Rockland Utilities, Inc.	Transmission Owners										
Rochester Gas and Electric Corp.	Transmission Owners	✓Caletka, Patricia	Kinney, Ray	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	Municipalities and Coops	Varner , Doug	✓Wentlent, Chris	Cordeiro, Mark							
Plattsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	✓Wentlent, Chris	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	Environmental	Gallay , Paul	Jones , Abigail	Doran , Erin							
AEP On-Site Partners, LLC	Non Voting	Jansen , Joel	Kakodkar , Guatam								
AES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswamy , 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	Meyer , Sandra								
Caithness Energy LLC	Non Voting	Keevill , Gary	Alvarez , Asavari	Garber, Mitchell							
Calpine Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	Sunga , Leonard							
Canandaigua Power Partners, LLC	Non Voting	Keene , John	Gaddes , Caleb								
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									
Energya VM	Non Voting	Garcia , Francisco	Maeso , Manual	Lopez , Ana	Corvillo , Cristina						

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
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									
Transmission Developers Inc.	Non Voting	Jessome , Donald	Helmer , William	Dave , Suresh							
Transource New York, LLC	Non Voting	Burkholder , Joshua									
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					

NYISO Employees

Kuser - RTO Insider, Michael