
NYISO Business Issues Committee Meeting Minutes
August 13, 2018
10:00 a.m. – 11:00 a.m.

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

Mr. Andrew 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

There were no questions or comments regarding the draft minutes for the June 20, 2018 or July 11, 2018 BIC meetings that were included with the meeting material.

Motion #1:

Motion to approve the meeting minutes from June 20, 2018 and July 11, 2018 BIC meetings.

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. Transmission and Dispatching Operations Manual

Mr. Ethan Avallone (NYISO) reviewed the presentation included with the meeting material.

Mr. Howard Fromer (PSEG) sought clarification regarding whether the incorporation of the technical bulletins into the manual included any substantive changes to such technical bulletins. Mr. Avallone confirmed that no substantive revisions were made to the technical bulletins in connection with incorporating them into the manual.

Motion #2:

The Business Issues Committee ("BIC") hereby approves the Transmission and Dispatching Operations Manual revisions as presented and discussed at the August 13, 2018 BIC meeting.

Motion passed unanimously with abstentions

5. IPPTF Charter

Mr. Mike DeSocio (NYISO) reviewed proposed revisions to the Integrating Public Policy Task Force ("IPPTF") charter that were posted with the meeting material.

Ms. Devlyn Tedesco (Couch White) noted appreciation for the clarification of the objective of the work being undertaken by the IPPTF. Mr. Jay Brew (Nucor Steel) noted support for the proposed changes to clarify the objective of the work being undertaken by the IPPTF.

Mr. John Borchert (Central Hudson) asked for clarification regarding what processes and procedures may be required by the New York State Public Service Commission ("NYPSC") in connection with the incorporation of cost of carbon emissions into the wholesale energy market. Mr. DeSocio stated that it is possible that the NYPSC may conduct proceeding to address the setting of the social cost of carbon that would be used as the basis of incorporating the cost of carbon emissions into the wholesale market.

Mr. Jim D'Andrea (Helix Ravenswood) noted that there are other externalities that are not yet incorporated into the wholesale market that should be addressed as part of future efforts.

Mr. Chris LaRoe (Brookfield) asked whether the expectation is for the IPPTF to dissolve at the completion of its efforts to develop a proposal to incorporate the cost of carbon into the wholesale market. Mr. DeSocio stated that the NYISO currently envisions the IPPTF as addressing solely carbon pricing in the wholesale market but ultimately it will be for stakeholders to determine if there are other matters that they want the task force to address

Mr. Fromer asked for clarification regarding why language was added to the charter to address the potential that the IPPTF does not develop a proposal to bring forward through the normal stakeholder process. Mr. DeSocio stated that such language was added to the charter in response to comments from stakeholders.

Mr. Aaron Breidenbaugh (Consumer Power Advocates) stated that the proposed revisions to the charter do not explicitly address carbon emissions leakage concerns or other emissions beyond carbon dioxide. Mr. DeSocio noted that, at this point, the focus of the IPPTF will remain directed at incorporating the cost of carbon dioxide emissions in the wholesale market but this does not preclude future discussions about other matters if desired by stakeholders. Mr. DeSocio further noted that carbon emissions leakage is being addressed as part of the work being undertaken through the IPPTF.

Mr. Chris Wentlent (MEUA/NYMPA) noted that the charter remains silent on the timing to bring forward a proposal for consideration through the normal stakeholder process. Mr. DeSocio stated that the NYISO currently anticipates bringing a proposal to a vote at BIC by the end of the second quarter in 2019.

Motion #3:

The Business Issues Committee ("BIC") hereby approves the Integrating Public Policy Task Force ("IPPTF") Charter as presented and discussed at the August 13, 2018 BIC Meeting.

Motion passed unanimously with abstentions.

6. Less than 20 MW CRM Values

Mr. Dave Edelson (NYISO) reviewed the proposal included with the meeting material.

Mr. Fromer asked for clarification regarding the interaction between the use of a constraint reliability margin ("CRM") value less than 20 MW with the current graduated Transmission Shortage pricing mechanism. Mr. Edelson (NYISO) noted that, in real-time, system operators would likely make adjustments to facility ratings to avoid actual overloads on a facility but if this were to become a more persistent issue this would be an indication that use of a CRM values less than 20 MW is no longer appropriate for such a facility.

Mr. Mark Younger (Hudson Energy Economics) noted support for the proposal but requested that the NYISO consider reporting to stakeholders if circumstances arise where facilities using a CRM value less than 20 MW present issues where operator action is required to maintain flows on facilities within their applicable ratings.

Mr. Pallas LeeVanSchaick (Potomac Economics) stated that the Market Monitoring Unit supports the proposed change to allow the use of non-zero CRM values less than 20 MW and noted that this is a matter that the MMU intends to report on as part of its quarterly and annual reports going forward.

Motion #4:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to the Market Administration and Control Area Services Tariff to permit the use of non-zero constraint reliability margin values less than 20 MW, as more fully described in the presentation entitled "Less than 20 MW Constraint Reliability Margin Values" made to the BIC on August 13, 2018.

Motion passed unanimously with an abstention.

7. 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 has met three times since the last BIC meeting. The group met on July 19, 2018 and reviewed the initial draft report for the 2018 Reliability Needs Assessment ("RNA") and key study assumptions for Generator Deactivation Assessments for Cayuga 2. On July 27, 2018, the group met and reviewed the results of an analysis conducted by the NYISO at the request of the New York State Department of Public Service regarding potential transmission needs being driven by achievement of the State's Clean Energy Standard. The group also met on August 8, 2018 and reviewed the draft report for the 2018 RNA and base case assumptions for the 2018 Congestion Assessment and Resource Integration Study Phase 2 assessment.
- **Installed Capacity Working Group:** The group has met five times since the last BIC meeting. On July 18, 2018, the group met jointly with MIWG and reviewed a proposal to add a competitive entry exemption from buyer-side mitigation for additional Capacity Resource Interconnection Service ("CRIS") requests, the Q1 2018 market report from the Market Monitoring Unit ("MMU"), and an update regarding the proposal to revise the annual capacity market report and annual and semi-annual demand response market reports. On July 24, 2018, the group met jointly with MIWG and PRLWG and reviewed a presentation by GE Energy Consulting regarding initial results from GE's ongoing assessment of the capacity value of resources with energy limitations. The group met jointly with MIWG and PRLWG on July 26, 2018 and reviewed proposed rules for the participation of distributed energy resources ("DER") in the capacity market. On July 31, 2018, the group met jointly with MIWG and reviewed proposed changes to the requirements for external capacity resources to respond to Supplemental Resource Evaluation ("SRE") requests. The group also met jointly with MIWG on August 7, 2018 and reviewed proposed rules for the participation of energy storage resources ("ESRs") in the capacity market, a proposal to add a competitive entry exemption from buyer-side mitigation for additional CRIS requests, and an overview of considerations for adding a repowering exemption to the buyer-side mitigation rules.
- **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.
- **Market Issues Working Group:** The group has met five times since the last BIC meeting. On July 18, 2018, the group met jointly with ICAPWG and reviewed the Q1 2018 market report from the MMU, a proposal to allow the NYISO to utilize non-zero constraint reliability margin values less than 20 MW, and proposed revisions to the Transmission and Dispatch Operations Manual. The group met jointly with ICAPWG and PRLWG on July 24, 2018 and reviewed an update regarding the Securing 100+ kV facilities in the market models initiative, proposed enhancements to the modeling of the Niagara Power Plant in the energy and ancillary services markets, the proposed rules for ESRs to participate in the energy and ancillary services markets, and proposed energy and ancillary services market settlement rules for ESRs. On July 26, 2018, the group met jointly with ICAPWG and PRLWG and reviewed an update regarding the DER pilot program, proposed rules for the participation of DER in the capacity market, and proposed rules for DER to participate in the energy and ancillary services markets. The group met jointly with ICAPWG on July 31, 2018 and reviewed the initial proposal for compliance with FERC Order No. 844 regarding uplift reporting requirements, and proposed rules for ESRs to participate in the energy and ancillary services markets. On August 7, 2018, the group also met jointly with ICAPWG and reviewed proposed revisions to Attachment L of the Open Access Transmission Tariff ("OATT") to incorporate changes resulting from the Accepted Revisions process set forth in Attachment K of the OATT, an update regarding proposed modeling assumptions related to certain 115 kV facilities for the upcoming Autumn 2018 Centralized TCC Auction, and an update regarding the ongoing to Constraint Specific Transmission Shortage Pricing initiative.
- **Price Responsive Load Working Group:** The group met twice since the last BIC meeting. On July 24, 2018, the group met jointly with MIWG and ICAPWG and reviewed a presentation by GE Energy Consulting regarding initial results from GE's ongoing assessment of the capacity value of resources with energy limitations. The group also met jointly with MIWG and ICAPWG on July 26, 2018 and reviewed the DER-related agenda topics.

8. New Business

There was no new business.

The meeting adjourned at 11:00 a.m.

Business Issues Committee Meeting

August 13, 2018

Final Motions

Motion #1:

Motion to approve the June 20, 2018 and July 11, 2018 Meeting Minutes.

Motion passed unanimously.

Motion #2:

The Business Issues Committee (“BIC”) hereby approves the Transmission and Dispatching Operations Manual revisions as presented and discussed at the August 13, 2018 BIC meeting.

Motion passed unanimously with abstentions.

Motion #3:

The Business Issues Committee (“BIC”) hereby approves the Integrating Public Policy Task Force (“IPPTF”) Charter as presented and discussed at the August 13, 2018 BIC Meeting.

Motion passed unanimously with abstentions.

Motion #4:

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee (“MC”) approve revisions to the Market Administration and Control Area Services Tariff to permit the use of non-zero constraint reliability margin values less than 20 MW, as more fully described in the presentation entitled “Less than 20 MW Constraint Reliability Margin Values” made to the BIC on August 13, 2018.

Motion passed unanimously with an abstention.

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
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	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 , Junguk	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							

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Earth Networks	Non Voting	Crawford , Jaden									
Ecesis LLC	Non Voting	Wu , Brian									
Energy 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	Pieniasek, 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					

NYISO Employees

Avallone, Ethan

Bissell, Garrett

DeSocio, Mike

Edelson, Dave

Bouchez, Nicole

Eckels, Debbie

Dixon, Kirk