
NYISO Business Issues Committee Meeting Minutes
June 23, 2021
10:00 a.m. – 10:20 a.m.

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

Mr. Matt Schwall (Eastern Generation) served as chair due to the fact that Mr. John Marczewski (East Coast Power) was unable to attend the meeting. Mr. Schwall called the meeting to order at 10:00 a.m. The members of the BIC identified themselves and attendance was recorded. A quorum was determined.

2. Draft May 10, 2021 BIC Minutes

There were no questions or comments regarding the draft minutes from the May 10, 2021 BIC meeting included as part of the meeting material.

Motion #1:

Motion to approve the May 10, 2021 BIC meeting minutes.

Motion passed unanimously.

3. BIC Vice Chair Election

Mr. John Cordi (NYPA) was elected to serve as the BIC Vice Chair the upcoming 2021-2022 term. Mr. Cordi will also serve as BIC Vice Chair for the remainder of the 2020-2021 term.

4. Market Operations Report

Mr. Rana Mukerji (NYISO) reviewed the market operations report included with the meeting material. There were no questions or comments.

5. Metering and Meter Data Services Requirements for Demand Side Resources

Ms. Alexis Hormovitis (NYISO) reviewed the presentation included with the meeting material.

Mr. Scott Leuthauser (HQUS) recommended the NYISO consider revising the draft tariff language to refer to where a Demand Side Resource is electrically located rather than the resource's physical location. Ms. Hormovitis (NYISO) and Greg Campbell (NYISO) stated that the NYISO agreed with the recommended clarification and would update the proposed language to be presented for approval at the Management Committee to incorporate the suggested revision to refer to a Demand Side Resource's electrical location rather than its physical location.

Motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to the NYISO's Market Administration and Control Area Services Tariff as described in the presentation titled "Updates to Metering and Meter Data Services Requirements for Demand Side Resources" made to the BIC on June 23, 2021.

Motion passed unanimously with abstentions.

6. Working Group Updates

- Billing and Accounting and Credit Working Group: The group met on May 21, 2021 and reviewed the standard accounting/settlement reports.
- Electric System Planning Working Group: The group has met three times since the last BIC meeting. The group met on May 20, 2021 and reviewed: (1) a presentation by PSEG Long Island regarding updates to the performance requirements applicable to non-synchronous resources seeking to interconnect on Long Island; (2) an overview of the benchmarking analysis conducted in preparation for the 2021 System & Resource Outlook study as part of the Economic Planning Process; (3) proposed scenarios to be included as part of the

Comprehensive Reliability Plan for the 2020-2021 Reliability Planning Process; (4) an update regarding the NYISO's baseline assessment for the Public Policy Transmission Needs related to facilitating the delivery of power from offshore wind facilities; and (5) an overview of considerations for developing a proposal to clarify and implement the federal right of first refusal rights of transmission owners within the context of the Public Policy Planning Process. On June 1, 2021, the group met and reviewed: (1) an update regarding the NYISO's baseline assessment for the Public Policy Transmission Needs related to facilitating the delivery of power from offshore wind facilities; and (2) an overview of the upcoming 2021 System & Resource Outlook study conducted as part of the Economic Planning Process. The group also met on June 22, 2021 and reviewed: (1) an update regarding the NYISO's baseline assessment for the Public Policy Transmission Needs related to facilitating the delivery of power from offshore wind facilities; (2) proposed revisions to the Economic Planning Process Manual to address the recent enhancements to the Economic Planning Process; and (3) a proposal to clarify and implement the federal right of first refusal rights of transmission owners within the context of the Public Policy Planning Process.

- Installed Capacity Working Group: The group has met jointly with PRLWG, MIWG, and/or LTF four times since the last BIC meeting. On May 19, 2021, the group met and reviewed an overview of the current manner for considering transmission security limits as part of the Installed Capacity market. The group met on June 3, 2021 and reviewed: (1) considerations for potential changes to the peak load hours utilized in allocating capacity requirements among Load Serving Entities; (2) an initial draft of the 2021 Master Plan outlining a strategic vision for market design initiatives over the next five years; and (3) an overview of considerations regarding potential reforms to the buyer-side Installed Capacity market mitigation rules. On June 9, 2021, the group met and reviewed: (1) a proposal to clarify that the NYISO will accept meter data for Demand Side Resources from municipal electric utilities; and (2) a presentation by the Market Monitoring Unit (MMU) regarding its 2020 State of the Market report, focusing on considerations related to public policy requirements. The group also met on June 17, 2021, and reviewed: (1) an overview of the NYISO's approach for compliance with FERC Order No. 2222 related to the participation of distributed energy resource aggregations in the wholesale markets; and (2) a presentation by the MMU regarding its 2020 State of the Market report, focusing on considerations related to the capacity market.
- Load Forecasting Task Force: The group has met three times since the last BIC meeting, including a joint meeting with ICAPWG. The group met on May 24, 2021 and reviewed: (1) an overview of the scope of Phase 2 of the ongoing study assessing load forecast uncertainty modeling; (2) an analysis of historical load duration curves for the period from 2002 through 2020; and (3) considerations related to the load forecast uncertainty models to be developed for use in conducting the installed reserve margin study for the 2022/2023 Capability Year. On June 3, 2021, the group met and reviewed considerations for potential changes to the peak load hours utilized in allocating capacity requirements among Load Serving Entities. On June 18, 2021, the group held its annual Spring Economic Conference reviewing national and New York economic outlook reports by Moody's Analytics. At the June 18, 2021 meeting, the group also reviewed: (1) a presentation by Itron regarding considerations for load forecasting of commercial sector load; and (2) the impacts of the ongoing COVID-19 pandemic on load patterns and energy consumption.
- Market Issues Working Group: The group has met five times since the last BIC meeting, including joint meetings with ICAPWG and PRLWG. On May 19, 2021, the group met and reviewed: (1) energy and ancillary services market requirements for the development of a participation model for aggregations of hybrid storage resources; (2) an overview of the results of the study to evaluate the provision of grid reliability services by renewable generation resources; and (3) considerations related to proposed enhancements to the current transmission constraint pricing logic. The group met on May 25, 2021 and reviewed considerations for implementing time-differentiated Transmission Congestion Contract (TCC) product offerings in NYISO-administered TCC auctions. On June 3, 2021, the group met and reviewed: (1) an initial draft of the 2021 Master Plan outlining a strategic vision for market design initiatives over the next five years; and (2) the proposed methodology for conducting a consumer impact analysis related to the results of the study to evaluate the provision of grid reliability services by renewable generation resources. The group met on June 9, 2021 and reviewed: (1) a proposal to clarify that the NYISO will accept meter data for Demand Side Resources from municipal electric utilities; and (2) a presentation by the MMU regarding its 2020 State of the Market report, focusing on considerations related to public policy requirements. The group also met on June 17, 2021 and reviewed: (1) considerations for implementing time-differentiated TCC product offerings in NYISO-administered TCC auctions; (2) an overview of

the NYISO's approach for compliance with FERC Order No. 2222 related to the participation of distributed energy resource aggregations in the wholesale markets; and (3) proposed enhancements to the current transmission constraint pricing logic.

- Price Responsive Load Working Group: The group has met jointly with ICAPWG and MIWG four times since the last BIC meeting (i.e., May 19, 2021, June 3, 2021, June 9, 2021, and June 17, 2021). At each meeting, the group reviewed the agenda topics related to distributed energy resources, energy storage resources and/or the NYISO-administered demand response programs.

7. New Business

There was no new business.

The meeting adjourned at 10:20 a.m.

Business Issues Committee

June 23, 2021

Final Motions

Motion #1:

Motion to approve the May 10, 2021 BIC meeting Minutes.

Motion passed unanimously.

Motion #2:

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee (“MC”) approve revisions to the NYISO’s Market Administration and Control Area Services Tariff as described in the presentation titled “Updates to Metering and Meter Data Services Requirements for Demand Side Resources” made to the BIC on June 23, 2021.

Motion passed unanimously with abstentions.

**John Cordi (NYPA) was elected Vice Chair for the term of June 2021 – November 2022.*

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt									
Stephentown Spindle, LLC	Other Suppliers	Streeter , Christopher									
Talen Energy	Other Suppliers	Toomey , Megan	Hohenshilt , Jennifer	Labella , Julie	Raggio , Debra						
Viridity Energy, Inc.	Other Suppliers	Freifeld , Allen									
Vitol Inc.	Other Suppliers	Wadsworth , Joe	Conn , Averill	Kahn , Casey							
XO Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson , Matthew	Hughes , Adam							
Central Hudson Gas & Electric Corp.	Transmission Owners	May , Jeff	✓Chan, Ting	Jolly , James	Delmar , Valerie						
Consolidated Edison Co. of NY, Inc.	Transmission Owners	Hargett , Chris	✓Lazarus , Dana	Kiselev , Dimitry	Quin , Jane	Butterklee, Neil	LoFrumento , Susan				
National Grid	Transmission Owners	✓Janzen , Margaret	Lodemore , David	Wilkie , Brian							
New York State Electric & Gas (NYSEG)	Transmission Owners	✓Caletka, Patricia	✓Brophy , Richard	Lynch , Tim							
Orange & Rockland Utilities, Inc.	Transmission Owners										
Rochester Gas and Electric Corp.	Transmission Owners	✓Caletka, Patricia	✓Brophy , Richard	Lynch , Tim							
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	Baker , Laura	Briscar , Joseph						
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								
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda						
Fordham University	Small Consumer	Luthin, Catherine	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda						
Memorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda						
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda						
New York University	Small Consumer	Luthin, Catherine	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	Nyarko , Justice							
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	✓Matteson , Schuyler	Zielinski , Andrew	Mas , Carl	Coup, David					
Long Island Power Authority	State Power Authorities	✓Clarke, Dave	✓Wilczek , Mariann								
New York Power Authority	State Power Authorities	✓Antinori , Andrew	Michaels , Alan	✓Cordi , John	✓Kane , James	Mahoney , Daniel					
Bath Electric, Gas & Water Systems	Municipalities and Coops	Bonacci , Erin	✓Wentlent, Chris	Cordeiro, Mark							
Freeport Electric	Municipalities and Coops	Livingston , Al	✓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	Fink , Sari	Tabak , Gabe	Grace , Gene					
Environmental Advocates	Environmental	Bambrick , Conor	Morris, Jackson								
Environmental Defense Fund	Environmental	Peress J., Naim	Stein , Elizabeth	Karas , Natalie	Murphy , Erin						
Natural Resources Defense Council	Environmental	Casey , Christopher	Howe , Cullen	Morris, Jackson	De Costanzo , Donna						
New York City Environmental Justice Alliance	Environmental	Garcia , Carlos	Bautista , Eddie								
PACE Energy & Climate Center	Environmental	Hart , Craig	Valova , Radina	Howe , Cullen							
Riverkeeper	Environmental	Webster , Richard	Morris, Jackson								
AES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswamy , Kiran								
Able Grid Energy Solutions, Inc.	Non Voting	Lines , Sam	Mills , Sara								
Acadia Center	Non Voting	Donovan , Deborah									
Alliance for Clean Energy New York	Non Voting	Reynolds , Anne	Reeder , Mark	Addepalli , Raj	Rabin , Kyle						
Anbaric Development Partners, LLC	Non Voting	Kosel , Howard	Sanderson , Bryan	Knobloch , Kevin	Bruno , Clarke						
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								
Bakerstand Solar, LLC	Non Voting	Caplan , Michael									
Boston Energy Marketing & Trading	Non Voting	✓Kramek , Mike									
Bruce Power	Non Voting	Jain , Anshul	Meyer , Sandra								
CPower	Non Voting	Dotson-Westphalen , Peter	Hourihan , Michael	Damaskos , Deno	Campbell , Bruce						
Caithness Energy LLC	Non Voting	Keevill , Gary	Alvarez , Asavari	Garber, Mitchell							
Calpine Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	Sunga , Leonard							

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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						
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	Gundlach , Justin	Ladin , Sarah							
LS Power Grid NY	Non Voting	Willick , Lawrence	York , Joshua	Carroll , Casey	Hayes , Patrick						
Lockport Energy Assoc.	Non Voting	Gesicki , Thomas	Youngberg , Mar y								
Lyonsdale Biomass, LLC	Non Voting	Ralston , William	Hebel , Nathan	Carrigan , Kathleen							
MAG Energy Solutions, Inc.	Non Voting	Pelletier , Simon	Vezina, Alexandre								
Marathon Energy	Non Voting	Nichols , Jim	Yeager , Keith								
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	Stankovski , Maryann	Eck , Robert								
New Athens Generating Co. LLC	Non Voting	Tripp , Hank									
Northeast Clean Heat & Power Initiative	Non Voting	Melpignano , Kristin	Brown, Ruben	Cinadr , Matt	Dwyer , Herb	Lillian , Jon					
NuEnergen	Non Voting	Hamilton , Sandy	Korczykowski , Ryan								
Plus Power, LLC	Non Voting	Fraenkel , Alex									
RENEW Northeast	Non Voting	Pullaro , Francis	Krich , Abigail								
Richard P. Felak	Non Voting	Felak, Rich									
Saracen Energy East LP	Non Voting	Peebles , Andy	Miller , Jason								
Savion, LLC	Non Voting	Doering , Anthony	Sunderman , Derek								
Siemens Energy, Inc.	Non Voting	Feltes , James									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page , Allan								
Teichos Energy, LLC	Non Voting	Maclearnsberry , Kirk	VanCoevering , Darrel								
Tesla, Inc.	Non Voting	Van Cleve , Sarah	Gilfenbaum , Eliah								
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis , Ted	✓ Abend , Erik								
Transmission Developers Inc.	Non Voting	Jessome , Donald	Helmer , William	Harrison , Bob	Coxe , Raymond						
Transource New York, LLC	Non Voting	Rupert , David	Cundiff , Robert								
Wheelabrator Technologies, Inc.	Non Voting	Goldie , Reg	Ginnetti , Jim								
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					