
NYISO Business Issues Committee Meeting Minutes
January 13, 2021
10:00 a.m. – 11:05 a.m.

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

Mr. Matt Schwall (IPPNY) 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 December 9, 2020 BIC Minutes

There were no questions or comments regarding the draft minutes from the December 9, 2020 BIC meeting that were included as part of the meeting material.

Motion #1:

Motion to approve the December 9, 2020 BIC meeting minutes.

Motion passed unanimously.

3. Market Operations Report

Mr. Rana Mukerji (NYISO) reviewed the market operations report included with the meeting material.

Mr. Howard Fromer (Bayonne Energy Center) asked whether the annual average all-in cost for 2020 was the lowest in the history of the NYISO's administration of the markets. Mr. Mukerji stated that the 2020 average all-in cost value was materially lower than 2019, but noted that he did not have access to the necessary information to confirm whether this represents the lowest annual average all-in cost value in the history of the NYISO's administration of the markets.

4. Utilization of MSEs for Demand Side Resources – Revenue Metering Requirements Manual (RM2) & Meter Services Entity Manual Revisions

Ms. Michelle McLaughlin (NYISO) reviewed the presentation included with the meeting material. There were no questions or comments.

Motion #2:

The Business Issues Committee (“BIC”) hereby approves revisions to the Revenue Metering Requirements Manual and Meter Services Entity Manual as more fully described in the presentation entitled “Utilization of MSEs for Demand Side Resources - Revenue Metering Requirements Manual (RM2) & Meter Services Entity Manual Revisions” made to the BIC on January 13, 2021. The revisions will become effective on the effective date of the tariff revisions filed with the Federal Energy Regulatory Commission in Docket No. ER21-595-000.

Motion passed unanimously with an abstention.

5. Updating and Extending the 2019 CARIS Database for Specific Project Evaluation

Mr. Jason Frasier (NYISO) and Mr. Chen Yang (NYISO) reviewed the presentation included with the meeting material.

Mr. Matt Cinadr (E Cubed) asked whether the Congestion Assessment and Resource Integration Study (CARIS) database is a GE-MARS or GE-MAPS based model. Mr. Frasier stated that the CARIS analyses utilize a GE-MAPS database.

Mr. Mark Younger (Hudson Energy Economics) asked whether the transmission topology assumptions for the 2020 CARIS Phase 2 database are consistent with the assumptions used in the 2020 Reliability Needs Assessment (RNA) base case. Mr. Yang confirmed that the 2020 CARIS Phase 2 database transmission topology assumptions are consistent with the 2020 RNA base case.

Mr. Cinadr requested clarification regarding the in-service date is assumed in the 2020 CARIS Phase 2 database for the transmission upgrades selected in response to the AC Transmission Public Policy Transmission Needs. Mr. Yang noted that because there are certain limitations regarding the ability for GE-MAPS to utilize multiple power flows for a given year, the CARIS Phase 2 database assumes, solely for purposes of the production cost modeling, that the upgrades in response to the AC Transmission Public Policy Transmission Needs are in-service as of January 1, 2024.

Mr. Fromer requested clarification regarding the assumptions made in the 2020 CARIS Phase 2 database with respect to the status of series reactors within New York City. Mr. Yang stated that the status assumptions utilized for the series reactors within New York City are consistent with the assumption used in the 2020 RNA base case.

Ms. Doreen Saia (Greenberg Traurig) requested clarification regarding whether the 2020 CARIS Phase 2 database would be subject to potential future adjustments to reflect solutions selected in response to the reliability needs identified in the 2020 RNA. Mr. Carl Patka (NYISO) noted that if a regulated economic project were submitted for evaluation after the identification of solutions in response to the reliability needs identified in the 2020 RNA, the 2020 CARIS Phase 2 database would be updated to reflect such solutions.

Mr. Younger asked whether the updated load forecast issued by the NYISO in December 2020 was utilized for developing the 2020 CARIS Phase 2 database. Mr. Frasier stated that the 2020 CARIS Phase 2 database utilizes the load forecast reflected in the 2020 Load and Capacity Data report, but noted that the load forecast could be subject to future updating in connection with the evaluation of a regulated economic transmission project proposal or as part of a request for an additional CARIS study.

Mr. Fromer asked whether the 2020 CARIS Phase 2 database is subject to further updates if a regulated economic transmission project proposal were submitted for evaluation. Mr. Frasier noted that if a regulated economic project were submitted for evaluation, the 2020 CARIS Phase 2 database is subject to the potential for further updating to reflect the most current information at the time the evaluation of such regulated economic project is conducted.

Mr. Fromer asked whether the recent stakeholder approved enhancements to the economic planning process would impact the 2020 CARIS Phase 2 database. Mr. Patka noted that the 2020 CARIS Phase 2 database will remain available and valid for purposes of evaluating any potential regulated economic project submitted for evaluation. Mr. Patka further noted that if the enhancements to the economic planning process are accepted by FERC, the NYISO plans to begin work on conducting the new System & Resource Outlook study during the second calendar quarter of 2021.

6. Working Group Updates

- Billing and Accounting and Credit Working Group: The group met on December 17, 2020 and reviewed: (1) the standard accounting/settlement reports; (2) the registration requirements and associated documentation for Meter Services Entities; and (3) proposed revisions to the Revenue Metering Requirements Manual and Meter Services Entity Manual related to the Meter Services Entity construct.
- Electric System Planning Working Group: The group met on December 11, 2020 and reviewed: (1) a presentation by NYPA regarding its Northern New York transmission project; (2) an overview of the results from the NYISO's assessment of whether the proposed revisions to certain Con Edison local transmission plan projects constitute material modifications; (3) an overview of the results from the NYISO's assessment of whether the proposed changes to the Cedar Rapids Transmission Intertie project constitute a material modification; and (4) study assumptions and preliminary results for the 2020 Congestion Assessment and Resource Integration Study (CARIS) Phase 2 analysis.
- Installed Capacity Working Group: The group has met twice since the last BIC meeting, including joint meetings with MIWG and/or PRLWG. On December 17, 2020, the group met and reviewed: (1) an update regarding preliminary Locational Minimum Installed Capacity Requirement values for the 2021/2022 Capability Year; (2) an overview of the requirements of FERC Order No. 2222 regarding the participation of distributed energy resources (DER) in wholesale markets; (3) proposed revisions to the Installed Capacity Manual related to duration limited resources and availability calculation methodologies for capacity supply resources; (4) an overview of the "Knowledge Base" document library initiative being added to the NYISO website; and (5) an overview of the NYISO's planned compliance proposal in response to FERC's directives regarding the self-supply exemption of the

buyer-side Installed Capacity market mitigation rules. The group also met on January 12, 2021 and reviewed: (1) the final Locational Minimum Installed Capacity Requirement values for the 2021/2022 Capability Year; and (2) an overview of potential process improvement considerations related to the buyer-side Installed Capacity market mitigation rules.

- Load Forecasting Task Force: The group met on December 15, 2020 and reviewed the final 2021/2022 Capability Year capacity market peak load forecast.
- Market Issues Working Group: The group met jointly with ICAPWG and PRLWG on December 17, 2020 and reviewed: (1) an overview of the requirements of FERC Order No. 2222 regarding the participation of DER in wholesale markets; and (2) an overview of the "Knowledge Base" document library initiative being added to the NYISO website.
- Price Responsive Load Working Group: The group has met jointly with MIWG and/or ICAPWG twice since the last BIC meeting (i.e., December 17, 2020 and January 12, 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.

Meeting adjourned at 11:05 a.m.

Business Issues Committee Meeting January 13, 2021 Final Motions

Motion #1:

Motion to approve the December 9, 2020 BIC Meeting Minutes.

Motion passed unanimously.

Motion #2:

The Business Issues Committee (“BIC”) hereby approves revisions to the Revenue Metering Requirements Manual and Meter Services Entity Manual as more fully described in the presentation entitled “Utilization of MSEs for Demand Side Resources - Revenue Metering Requirements Manual (RM²) & Meter Services Entity Manual Revisions” made to the BIC on January 13, 2021. The revisions will become effective on the effective date of the tariff revisions filed with the Federal Energy Regulatory Commission in Docket No. ER21-595-000.

Motion passed unanimously with an abstention.

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
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	Viola , Bob	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	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	Baker , Laura	Brisicar , 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								
Association for Energy Affordability	Small Consumer	Strauss , Valerie	Hepinstall, David	✓Casey , Christopher							
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda					
Fordham University	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda					
Memorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda					
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda					
New York University	Small Consumer	Luthin, Catherine	Ewart , Sean	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	O'Hare , Katie							
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	Dufresne , Zach	Reeder , Mark							
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						
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								
Highview Power Storage, Inc.	Non Voting	Riley , Richard	Minopoli , Salvatore								
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	Bialek , Sylwia	Gundlach , Justin						
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	Veziina, Alexandre								
Marathon Energy	Non Voting	Nichols , Jim	Perrotti , Frank	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									
STEM, Inc.	Non Voting	Ko , Ted	Bellacicco , John								
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					