
NYISO Business Issues Committee Meeting Minutes
May 20, 2020
10:00 a.m. – 11:30 a.m.

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

Mr. Chris Wentlent (MEUA) 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. April 8, 2020 BIC Meeting Minutes

There were no questions or comments regarding the draft minutes from the April 8, 2020 BIC meeting that were included as part of the meeting material.

Motion#1:

Motion to approve the April 8, 2020 BIC meeting minutes.

Motion passed unanimously.

3. Market Operations Report and Broader Regional Markets Report

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

4. Accounting and Billing Manual Revisions

Mr. Mark Buffaline (NYISO) review the presentation included with the meeting material. There were no questions or comments.

Motion #2:

The Business Issues Committee (“BIC”) hereby approves the revisions to the Accounting & Billing Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

5. Revenue Metering Requirements Manual Revisions

Ms. Michelle McLaughlin (NYISO) reviewed the presentation included with the meeting material.

Mr. Peter Dotson-Westphalen (CPower) requested an update on the NYISO's review of whether the obligations specified for reporting meter inventory information should be expanded to include municipal electric utilities. Ms. McLaughlin noted that the NYISO is continuing to review whether expansion of the requirements for providing meter inventory information to municipal electric utilities is warranted. Ms. McLaughlin stated that if further revisions are deemed warranted, any such further revisions would be developed separately as part of a subsequent update to the manual.

Motion #3:

The Business Issues Committee (“BIC”) hereby approves the revisions to the Revenue Metering Requirements Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

6. Public Policy Transmission Planning Process Manual Revisions

Mr. Dawei Fan (NYISO) reviewed the presentation included with the meeting material. There were no questions or comments.

Motion #4:

The Business Issues Committee (“BIC”) hereby approves the revisions to the Public Policy Transmission Planning Process Manual, NYISO Manual No. 36, as presented and discussed at the BIC meeting held on May 20, 2020.

Motion passed unanimously with abstentions.

7. Proposed BIC By-Laws Revisions

Mr. Kevin Lanahan (NYISO) reviewed the presentation included with the meeting material.

Mr. Kevin Lang (Couch White) requested confirmation that the proposed changes to the BIC By-Laws are consistent with the changes previously approved to the Management Committee (MC) By-Laws. Mr. Lanahan confirmed that the proposed changes to the BIC By-Laws are consistent with the by-law changes previously approved by the MC.

Motion #5:

The Business Issues Committee (“BIC”) hereby approves revisions to the BIC By-Laws as presented and discussed at the May 20, 2020 BIC meeting.

Motion passed unanimously with abstentions.

8. ICAP Manual Revisions for Energy Storage Resources

Ms. Sarah Carkner reviewed the presentation included with the meeting material. There were no questions or comments.

Motion #6:

The Business Issues Committee (“BIC”) hereby approves revisions to the Installed Capacity Manual regarding Energy Storage Resources as described in the presentation made to the BIC on May 20, 2020. The revisions will become effective on the effective date of the tariff revisions accepted by the Federal Energy Regulatory Commission in Docket No. ER19-467-000, et al.

Motion passed unanimously with abstentions.

9. Reserve Pickup Event Scheduling for Energy Storage Resources

Mr. Aaron Markham (NYISO) reviewed the presentation included with the meeting material.

Mr. Lang asked whether the 60 minute sustainability requirement for reserves is unique requirement imposed by Northeast Power Coordinating Council (NPCC) or if a similar sustainability requirement is imposed by other regional electric reliability councils. Mr. Markham stated that the 60 minute sustainability requirement is a unique requirement established by NPCC.

Mr. Lang asked whether the NYISO has considered further discussions with NPCC regarding continued applicability of the 60 minute sustainability requirement in light of the ongoing transition of the resource fleet in New York. Mr. Markham noted that many areas within the NPCC region are experiencing resource fleet transitions similar to New York. Mr. Markham stated that the NPCC has begun a process of further evaluating the 60 minute sustainability requirement in light of the resource fleet changes occurring within the NPCC region.

Motion # 7:

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee approve changes to Section 4.4.3.1.1 of the Services Tariff, as presented and discussed at the May 20, 2020 BIC meeting.

Motion passed unanimously.

10. Proposed Enhancements to the NYISO Peak Load Forecast and LSE Minimum Capacity Requirement Methodology

Ms. Ying Guo (NYISO) reviewed the presentation included with the meeting material.

Mr. Aaron Breidenbaugh (Consumer Power Advocates) asked what impact the proposed revisions have with respect to the allocation of capacity requirements among Load Serving Entities (LSEs). Mr. Nate Gilbraith (NYISO) stated that the proposal is intended to provide for greater alignment of capacity requirement allocations among LSEs to periods reflective of when the NYISO anticipates peak load conditions to typically occur (i.e., peak load hour occurring on a non-weekend, non-holiday hour).

Mr. David Ahrens (Energy Spectrum) asked whether the NYISO's allocation of capacity requirements to LSEs is consistent with the methodology used by utilities for allocating capacity requirements to retail electric customers. Mr. Gilbraith stated that the NYISO's current understanding is that utilities utilize the peak load hour determined by the NYISO for purposes of allocating capacity requirements to retail electricity customers.

Motion #8:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approves revisions to the NYISO Market Administration and Control Area Services Tariff ("MST") sections 2, 5.10, and 5.11, as presented at the May 20, 2020 BIC.

Motion passed unanimously with abstentions.

11. Working Group Updates

- Billing and Accounting and Credit Working Group: The group has met twice since the last BIC meeting. On April 24, 2020, the group met and reviewed the standard accounting/settlement reports, updates to the Decision Support System (DSS) related to settlements for energy storage resources, updates to the DSS related to Highway Facility Charge settlements under Rate Schedule 12 of the NYISO OATT, proposed revisions to the Accounting and Billing Manual related to settlements for energy storage resources, and proposed revisions to the Revenue Metering Requirements Manual. The group also met on May 8, 2020 and reviewed proposed enhancement to the credit security requirements for the Transmission Congestion Contracts (TCC) market.
- Electric System Planning Working Group: The group has met twice since the last BIC meeting. On April 23, 2020 the group met and reviewed proposed revisions to the Public Policy Transmission Planning Process Manual, the draft study report for the 2019 Congestion Assessment and Resource Integration Study (CARIS) Phase 1 analysis, results for the 70x30 scenario being conducted as part of the 2019 CARIS Phase 1 analysis, and a presentation by Analysis Group regarding the methodology and assumptions for the Phase II analysis being conducted as part of the ongoing climate change impact and resilience study project. The group also met on May 4, 2020 and reviewed the key study assumptions for the Generator Deactivation Assessment for the West Babylon 4 generation facility, and the draft study report for the 2019 CARIS Phase 1 analysis.
- Installed Capacity Working Group: The group has met jointly with MIWG and/or PRLWG seven times since the last BIC meeting. The group met on April 10, 2020 and reviewed proposed enhancements to the Part A exemption test of the buyer-side mitigation rules. On April 14, 2020, the group met and reviewed proposed enhancements related to ongoing monitoring and reporting of fuel security-related matters, an overview of potential options for developing a hybrid storage resource model, an overview of reliability considerations and potential enhancements in response to the ongoing transformation of the electric system, and proposed enhancements to the Part A exemption test of the buyer-side mitigation rules. The group met on April 22, 2020 and reviewed a presentation by Analysis Group regarding assumptions related to financial parameters, dual fuel capability and emissions controls for peaking plant technology options and estimating net energy and ancillary services revenues for various peaking plant technology options in connection with the ongoing 2019-2020 ICAP Demand Curve reset process, a presentation by Burns & McDonnell regarding capital cost estimates for various peaking plant technology options as part of the ongoing 2019-2020 ICAP Demand Curve reset process, a presentation by Cricket Valley Energy Center regarding Analysis Group's assumptions for financial parameters in connection with the

- ongoing 2019-2020 ICAP Demand Curve reset process, and an initial draft of the 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years. The group met on April 27, 2020 and reviewed proposed enhancements to the methodology for determining the statewide peak load hour and the allocation of capacity requirements to Load Serving Entities. On May 11, 2020, the group met and reviewed an update regarding the of the comprehensive mitigation review initiative for the capacity market, and potential options and interconnection considerations for developing a hybrid storage resource model. The group met on May 18, 2020 and reviewed a presentation by The Brattle Group regarding initial results of its analysis to assist in determining potential wholesale market impacts of anticipated changes to the electric system through 2040 in response to the requirements of the Climate Leadership and Community Protection Act (CLCPA). The group also met on May 19, 2020 and reviewed the draft 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years, a presentation by Analysis Group regarding updated assumptions and preliminary results for the ongoing 2019-2020 ICAP Demand Curve reset process, a presentation by Burns & McDonnell regarding capital cost estimates to construct various peaking plant technology options as part of the ongoing 2019-2020 ICAP Demand Curve reset process, and a presentation by CPV regarding considerations for gas pricing assumptions for Load Zone G used in estimating net energy and ancillary services revenues for various peaking plant technology options in connection with the ongoing 2019-2020 ICAP Demand Curve reset process.
- Load Forecasting Task Force: The group met on April 13, 2020 and reviewed impacts on load patterns and energy consumption related to the ongoing COVID-19 pandemic, and the load forecast uncertainty models for the 2021-2022 Capability Year installed reserve margin analysis.
 - Market Issues Working Group: The group has met jointly with ICAPWG and PRLWG six times since the last BIC meeting. The group met on April 14, 2020 and reviewed proposed enhancements related to ongoing monitoring and reporting of fuel security-related matters, updates to the comprehensive bid management system related to the bidding requirements for energy storage resources participating in the wholesale energy and ancillary services markets, an overview of potential options for developing a hybrid storage resource model, and an overview of reliability considerations and potential enhancements in response to the ongoing transformation of the electric system. On April 22, 2020, the group met and reviewed a presentation by Calpine regarding a proposal to develop on-peak and off-peak TCC products, and an initial draft of the 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years. The group met on April 27, 2020 and reviewed a proposal to increase the current 30-minute reserve requirement for the Southeastern New York (SENY) reserve region, the proposed methodology for conducting the Consumer Impact Analysis related to the proposal to increase the current 30-minute reserve requirement for the SENY reserve region, proposed enhancements to the current reserve shortage pricing values and reserve demand curves, and proposed revisions to the scheduling of energy storage resources during reserve pickup events. On May 11, 2020, the group met and reviewed potential options and interconnection considerations for developing a hybrid storage resource model, and a presentation by Vitol regarding a proposal to develop more granular, time-differentiated TCC products. The group met on May 18, 2020 and reviewed a presentation by The Brattle Group regarding initial results of its analysis to assist in determining potential wholesale market impacts of anticipated changes to the electric system through 2040 in response to the requirements of the CLCPA. On May 19, 2020, the group met and reviewed the draft 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years.
 - Price Responsive Load Working Group: The group met jointly with ICAPWG and/or MIWG seven times since the last BIC meeting (i.e., April 10, 2020, April 14, 2020, April 22, 2020, April 27, 2020, May 11, 2020, May 18, 2020, and May 19, 2020). 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.

12. New Business

There was no new business.

Meeting adjourned at 11:30 a.m.

Business Issues Committee
May 20, 2020
Final Motions

Motion #1:

Motion to approve the April 8, 2020 BIC Minutes.

Motion passed unanimously.

Motion #2:

The Business Issues Committee (“BIC”) hereby approves the revisions to the Accounting & Billing Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

Motion #3

The Business Issues Committee (“BIC”) hereby approves the revisions to the Revenue Metering Requirements Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

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Motion #7:

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Motion passed unanimously with abstentions.

New York Independent System Operator - Committee Membership

Business Issues Committee - May 20, 2020 - Teleconference - 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									
CPV Valley LLC	Generation Owners	Litchfield , Matt	Rumsey , Tom	Pierpont , Daniel							
Calpine	Generation Owners	Kruse, Brett	Reitmeyer , Jay	Flumerfelt, John	Schleimer , Steve	✓Schwall , Matthew					
Covanta Niagara, LP	Generation Owners	Burke , David	Abbott , Sharon								
Cricket Valley Energy Center	Generation Owners	Davis , Charles	Wallenstein , Arnold	Paryl , Ron							
Cypress Creek Renewables	Generation Owners	Kemp , Melissa	Eskew , Ollivia								
Danskammer Energy, LLC	Generation Owners	Reid , William	Cada , Eric								
EDP Renewables North America LLC	Generation Owners	Brodbeck , John	Loturco , Thomas	High , Jeremy	Priemer , Dustin						
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty , Thomas	McEachern , Ben	Franzetti , Paul						
Empire Generating Co, LLC	Generation Owners	Morris , Chandler	Maida , Jeff	Hudson , Daniel							
Entergy Nuclear Northeast	Generation Owners	Dell Orto , Ken	Saia, Doreen	Bergeron , John							
GlidePath Power Solutions LLC	Generation Owners	McKissack , Chris	Baur , Sean	Vickery , Chris	Labij , Denis	Braun , Gary					
Helix Ravenswood LLC	Generation Owners	D'Andrea , James	Kline , Marc	DiBari , Dominic							
Howard Wind LLC	Generation Owners	Smith , David	Brocks , Annette	Rohrbach , John							
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	Bangston , Kaley	Goldstein , Michael	Orzel , Chris							
Key Capture Energy	Generation Owners	Galarneau , Kenneth	Goldwasser , Rachel	Fitzgerald , Dan							
National Grid Generation LLC	Generation Owners	Kain , Terrence	McCabe , Brian								
North East Offshore, LLC	Generation Owners	Reynolds , Melissa									
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy									
Somerset Operating Company, LLC	Generation Owners	Gregson , Brian	Goodenough , Jeery	Love , Jordan							
BJ Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
BP Energy Company	Other Suppliers	Ellis , Dean	Chintapalli , Raj	✓Ackerman, Alan							
Brookfield Energy Marketing L.P.	Other Suppliers	LaRoe , Chris	Talamo , Marco	Dziedzic , Tomasz	Madonna , Phil						
Castleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss , Gordon	Romine , Brad	Emmett , Robert							
Citigroup Energy Inc.	Other Suppliers	Gollomp , Jeffrey	Bisaria , Shikher								
Consolidated Edison Energy, 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	German , Robert	Pakela, Gregory								
Direct Energy Business Marketing, LLC	Other Suppliers	✓Newton , Jonathan	Carrier , Ron	Morris , Sandra							
Dynegy Marketing and Trade	Other Suppliers	Weinstein , Andrew	Allen , Sean								
ENEL X	Other Suppliers	Geller , Greg	Chibani , Yanis								
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				
Energy Spectrum	Other Suppliers	David, Gary	✓Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland , William	Villegas , Cristina	Cinadr , Matt		
Energy Technology Savings Inc. d/b/a Logical Buildings	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	Bélanger , Frédéric						
Innoventive Power	Other Suppliers	Gruber , Craig	Halford , Steve								
Mercuria Energy America, Inc.	Other Suppliers	Davis , Andrew	✓Younger, Mark	Frye , Samuel							
Morgan Stanley Capital Group, Inc.	Other Suppliers	Kochonies, Karen	Meditz , Alex	Grimes , Jordan							
NRG Power Marketing Inc.	Other Suppliers	Fitch , Neal	Hsia , Jennifer	Cona , Lisa	Kranz , Bradley						
New York Transco	Other Suppliers	Mullin , Victor	Caso , Rob	Carrigan , Kathleen	Camp , Adam						
NextEra Energy	Other Suppliers	✓Applebaum, David	Talbot , Soria	Gibelli , Stephen							
Ontario Power Generation, Inc.	Other Suppliers	Lauritsen , Kim									
PSEG Energy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	DePillo , Raymond	Cimino , David	Dillon , George						
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									
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							

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