
NYISO Business Issues Committee Meeting Minutes
May 13, 2019
10:00 a.m. - 12:15 p.m.

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

Mr. Aaron Breidenbaugh (Consumer Power Advocates) 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. Market Operations Report and Broader Regional Markets Report

Mr. Robb Pike (NYISO) reviewed the Market Operations report posted with the meeting material. There were no questions or comments regarding the Market Operations report.

Mr. Pike reviewed the Broader Regional Markets report included with the meeting material. There were no questions or comments regarding the Broader Regional Markets report.

3. 2018 State of the Market Report

Mr. Pallas LeeVanSchaick (Potomac Economics) provided an overview of the 2018 State of the Market report. A detailed review of the market results and recommendations will take place at the May 17, 2019 ICAPWG/MIWG meeting.

4. Proposed Changes to Allowed Security from Foreign Entities

Ms. Sheri Prevratil (NYISO) reviewed the presentation included with the meeting material.

Mr. Andrew Antinori (NYPA) asked for clarification regarding whether the proposal includes any form of grandfathering or other transitional mechanism for the four foreign entities that currently post cash collateral. Ms. Prevratil clarified that the proposal would prohibit all foreign entities (non U.S. or Canadian entities) from posting cash collateral going forward and the four affected foreign entities would be required to provide an alternative form of allowable collateral to comply with the proposed changes.

Mr. Mark Younger (Hudson Energy Economics) asked whether the four affected foreign entities all post cash collateral. Ms. Prevratil stated that the four affected foreign entities all currently post cash collateral and the NYISO has communicated with the affected entities about the proposal.

Mr. Howard Fromer (PSEG) asked why Canadian entities would be allowed to continue to post cash collateral. Ms. Prevratil (NYISO) noted that with respect to Canadian entities, the NYISO's bankruptcy counsel has informed the NYISO that the Canadian courts would typically defer to U.S. bankruptcy laws as it relates to cash collateral that may have been provided to the NYISO by a Canadian entity; therefore, the NYISO remains comfortable that its ability to utilize cash collateral from Canadian entities would be equivalent to the ability to use cash collateral posted by U.S. entities in the event of a bankruptcy filing.

Mr. Fromer asked for clarification regarding what protections apply to the other allowable forms of secured collateral to ensure that the NYISO is adequately protected in the event of a bankruptcy. Ms. Prevratil stated that applicable rules require other forms of secured collateral (i.e., letter of credit, corporate guaranty and surety bond) be provided by either a qualifying U.S. or Canadian entity.

Motion #1:

The Business Issues Committee (BIC) hereby recommends that the Management Committee approve, and recommend to the NYISO Board for filing under Section 205 of the Federal Power Act, revisions to Attachment K of the Market Administration and Control Area Services Tariff as described in the presentation entitled "Proposed Change to Acceptable Collateral for Foreign Market Participants," made at the May 13, 2019 BIC meeting.

Motion passed unanimously.

5. Proposed Revisions to NYISO-PJM Joint Operating Agreement

Mr. Cameron McPherson (NYISO) reviewed the presentation included with the meeting material.

Mr. Fromer asked whether any concerns have been raised by PJM stakeholders as part of their review of the proposed revisions. Mr. McPherson stated that PJM has reported to the NYISO that PJM's stakeholders have not raised any material concerns with respect to the proposed revisions to the Joint Operating Agreement.

Mr. Fromer asked for information regarding the total settlement value of re-dispatch operations under the Joint Operating Agreement during 2018. Mr. McPherson noted that for re-dispatch, New York currently only has two active flowgates and has not utilized re-dispatch for these flowgates since 2016.

Motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to Attachment CC of the NYISO's Open Access Transmission Tariff (OATT), as more fully described in the "NYISO-PJM JOA Changes" presentation made to the BIC on May 13, 2019.

Motion passed unanimously with abstentions.

6. Proposed Revisions to the Economic Planning Process Manual

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

Motion #3:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Economic Planning Process Manual as presented and described at the May 13, 2019 BIC Meeting.

Motion passed unanimously with abstentions.

7. Working Group Updates

- Billing and Accounting and Credit Working Group: The group met on April 26, 2019 and reviewed the standard accounting/settlement reports, and proposed changes to the forms of secured collateral that can be provided by foreign Market Participants.
- Electric System Planning Working Group: The group met on May 3, 2019 and reviewed the key study assumptions for the Generator Deactivation Assessment for the Lyonsdale Biomass facility, the draft study report for Class Year 2017-2, and potential improvements to the Class Year Study and interconnection processes.
- Installed Capacity Working Group: The group has met jointly with MIWG, ESPWG and/or PRLWG five times since the last BIC meeting. On April 23, 2019, the group met and reviewed the initial draft 2019 Master Plan outlining a strategic vision for market design initiatives over the next five years, and a presentation by Analysis Group regarding updates to the scope of its supplemental analysis regarding the potential impacts of the proposed carbon pricing initiative. The group met on April 30, 2019 and reviewed a verbal update regarding the planned response to the supplemental information request from FERC in response to the NYISO's compliance proposal for FERC Order No. 841 related to energy storage resources, and the proposal for calculating "LBMPc" as part of the carbon pricing initiative. The group met on May 3, 2019 and reviewed the draft study report for Class Year 2017-2. On May 6, 2019, the group met and reviewed considerations related to reviewing the deliverability requirements for external capacity suppliers, and a presentation by Potomac Economics regarding its concerns with certain aspects of make whole payments for external capacity suppliers included in the proposal addressing performance requirements for external capacity suppliers in response to a Supplemental Resource Evaluation (SRE) request. The group also met on May 9, 2019 and reviewed a proposal for revising the availability calculation methodologies for capacity supply resources, considerations regarding potential revisions to the competitive entry exemption of the buyer-side mitigation rules to address repowering proposals, a presentation by Potomac Economics regarding

its evaluation of the potential impacts of the proposed carbon pricing initiative, and supplemental tariff revisions related to the proposal for addressing the performance requirements of external capacity suppliers in response to a SRE request.

- Load Forecasting Task Force: The group has not met since the last BIC meeting.
- Market Issues Working Group: The group has met jointly with ICAPWG and/or PRLWG three times since the last BIC meeting. On April 23, 2019, the group met and reviewed the initial draft 2019 Master Plan outlining a strategic vision for market design initiatives over the next five years, and a presentation by Analysis Group regarding updates to the scope of its supplemental analysis regarding the potential impacts of the proposed carbon pricing initiative. The group met on April 30, 2019 and reviewed a verbal update regarding the planned response to the supplemental information request from FERC in response to the NYISO's compliance proposal for FERC Order No. 841 related to energy storage resources, initial considerations regarding the potential development of load pocket reserve requirements within New York City, data regarding past performance of reserve providers during NYISO-conducted performance audits, and the proposal for calculating "LBMPC" as part of the carbon pricing initiative. On May 9, 2019, the group met and reviewed a presentation by Potomac Economics regarding its evaluation of the potential impacts of the proposed carbon pricing initiative, and a proposal for procuring quantities of reserves in excess of the minimum requirements needed to satisfy reliability requirements.
- Price Responsive Load Working Group: The group has met twice since the last BIC meeting. On April 23, 2019, the group met jointly with ICAPWG and MIWG and reviewed the initial draft 2019 Master Plan outlining a strategic vision for market design initiatives over the next five years. The group also met jointly with ICAPWG and MIWG on April 30, 2019 and reviewed a verbal update regarding the planned response to the supplemental information request from FERC in response to the NYISO's compliance proposal for FERC Order No. 841 related to energy storage resources.

8. New Business

Mr. Chris Russell (NYISO) noted that the NYISO will be to re-activating the metering task force in the near future to serve as a forum for discussing the metering requirement for energy storage resources and other distributed resources

Business Issues Committee

May 13, 2019 Meeting

Final Motiones

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Motion passed unanimously with abstentions.

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Motion passed unanimously with abstentions.

New York Independent System Operator - Committee Membership

Business Issues Committee - May 13, 2019 - NYISO - 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	Caplan , Stu								
CPV Valley LLC	Generation Owners	Litchfield , Matt	Rumsey , Tom	Pierpont , Daniel							
Calpine	Generation Owners	Kruse, Brett	Reitmeyer , Jay	Flumerfelt, John	Schleimer , Steve						
Covanta Niagara, LP	Generation Owners	Burke , David	Abbott , Sharon								
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	Ingalls , Kellen	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	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								
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan , James								
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	Chintapalli , Raj	Magruder , Kathy	✓Ackerman, Alan							
BioUrja Power, LLC	Other Suppliers	Shah , Kinjal	Patel , Ankeet	Eamani , Arun							
BlueRock Energy, Inc.	Other Suppliers	VanHorne , Phil	Campese , Bobby	Quill , Megan	Klaben , Jason						
Brookfield Energy Marketing L.P.	Other Suppliers	✓LaRoe , Chris	Talamo , Marco	Dallaire , Eric	Lund , Roxana						
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								
Drift Marketplace, Inc.	Other Suppliers	Tilley , Alan	Robinson , Greg								
Dynegy Marketing and Trade	Other Suppliers	Frazier , Amanda	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	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	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	Hitti , Nabil	Caso , Rob	Carrigan , Kathleen	McKinney , Jeff					
NextEra Energy	Other Suppliers	✓Applebaum, David	Gardner , Michelle	Gibelli , Stephen							
Ontario Power Generation, Inc.	Other Suppliers	Gell, Richard									
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									
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							

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GI Energy	Non Voting	Falcier , Peter	Robinson , James								
Highview Power Storage, Inc.	Non Voting	Robson , Paul	Riley , Richard								
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						
Key Capture Energy	Non Voting	Fitzgerald , Dan	Bishop , Jeff								
LS Power Grid NY	Non Voting	Willick , Lawrence	York , Joshua	Hayes , Patrick							
MAG Energy Solutions, Inc.	Non Voting	Pelletier , Simon	Vezeina , 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									
Northeast Clean Heat & Power Initiative	Non Voting	Melpignano , Kristin	Brown, Ruben	Cinadr , Matt	Dwyer , Herb	Lillian , Jon					
Northline Utilities LLC	Non Voting	McKinney , Jeff	Danskin , Susan								
NuErgen	Non Voting	Hamilton , Sandy	Korczykowski , Ryan								
RBC Energy Services, LP	Non Voting	Rigby , Angus	Everhardt , Brandon								
RENEW Northeast	Non Voting	Pullaro , Francis	Krich , Abigail								
Red Wolf NT, LLC	Non Voting	Christian , Adam									
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								
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	Watson , Betty	Gonzales , Carlos	Van Cleve , Sarah							
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									
Wheelabrator Technologies, Inc.	Non Voting	Goldie , Reg	Ginnetti , Jim								
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					