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**NYISO Business Issues Committee Meeting Minutes**  
**December 11, 2019**  
**10:00 a.m. – 11:55 a.m.**

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**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. Draft October 16, 2019 and November 6, 2019 BIC Meeting Minutes**

There were no questions or comments regarding the draft minutes from the October 16, 2019 and November 6, 2019 BIC meetings that were included as part of the meeting material.

Motion#1:

Motion to approve the October 16, 2019 and November 6, 2019 BIC meeting minutes.

*Motion passed unanimously.*

**3. Market Operations Report and Broader Regional Markets Report**

Rana Mukerji (NYISO) stated that due to the early timing of the meeting within the month, the Market Performance Highlights were not yet available for review. It was further noted that the Market Operations Report would be posted as part of the meeting material once available.

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

**4. Short-Term Reliability Process and Other Proposed Reliability Planning Process Tariff Language Changes, and Proposed Revisions to Generator Registration Requirements**

Mr. Keith Burrell (NYISO) reviewed the presentation included with the meeting material.

Ms. Doreen Saia (Greenberg Traurig) asked for clarification regarding the impacts to the 2020 Reliability Needs Assessment (RNA) as a result of the proposal to commence the short-term reliability assessments in July 2020. Mr. Zach G. Smith (NYISO) noted that the proposal contemplates that, starting with the 2020 RNA, the study work for the RNA will be focused on years 4-10 of the forward looking planning horizon with the assessment of any near-term reliability needs being addressed by the proposed short-term reliability process.

Mr. Mark Younger (Hudson Energy Economics) noted that the proposed short-term reliability assessments conducted on a quarterly basis would appear to provide an opportunity to better identify needs arising from near-term system changes over time. Mr. Smith stated that a key intended benefit of developing a short-term reliability process is to provide for improved ability to assess the potential for near-term reliability needs arising from ongoing changes to system conditions and the resource fleet.

Mr. Howard Fromer (PSEG) asked for further information regarding the load forecast assumptions that would be used for each of the quarterly short-term reliability assessments. Mr. Smith noted that the procedures would provide flexibility for updating the load forecast to capture changes over time, with the intent that the load forecast assumptions used in the short-term reliability assessments would be based on the relevant load forecasts from the most recent Load and Capacity Data report (Gold Book) at the time each short-term assessment is conducted.

Mr. Fromer noted his concerns related to the rapid system changes that are likely to be occurring over the coming years in response to the requirements of the Climate Leadership and Community Protection Act (CLCPA). Mr. Smith stated that the transformation of the grid that is anticipated by requirements of the CLCPA was an important consideration in

seeking to develop the new quarterly short-term reliability assessment process in order to facilitate the ability to more efficiently and nimbly assess the reliability of the system as the ongoing transformation of the system unfolds.

Mr. Fromer asked whether the NYISO would still conduct a short-term reliability assessment for a particular quarter if no deactivation notices or other system changes had occurred since the prior quarterly assessment. Mr. Burrell stated that the NYISO would still conduct a short-term reliability assessment. The NYISO's report would explain that no material changes occurred since with prior quarterly assessment; so the subsequent assessment would effectively remain unchanged.

Mr. John Cordi (NYPA) asked for clarification regarding whether the short-term reliability assessments would include the identification of reliability needs on the non-bulk transmission system. Mr. Burrell stated that the short-term reliability assessments will seek to identify both bulk and non-bulk transmission system reliability needs.

Mr. Younger requested confirmation that generator deactivation notices deemed complete prior to the Tariff effective date of the rules for the proposed short-term reliability process would continue to be addressed under the current procedures for evaluating such proposed deactivations. Mr. Burrell confirmed that generator deactivation notices deemed complete prior to the Tariff effective date of the proposed short-term reliability process would continue to be subject to the currently effective rules for the Generator Deactivation Process.

Mr. Cordi asked for clarification regarding how resources that are placed into an ICAP Ineligible Forced Outage (IIFO) outage state will be assessed under the proposed short-term reliability assessments. Mr. Burrell stated that, consistent with the current Generator Deactivation Process, the proposed short-term reliability process will assess the potential reliability impacts of resources placed into an IIFO outage state.

Mr. Fromer requested clarification regarding the proposal to require asset owner in an IIFO to return a step-up transformer to service without being reimbursed if the cost to return the step-up transformer to service is less than \$100,000. Mr. Burrell stated that this requirement is consistent with the current rules applicable to the existing Generator Deactivation Process. Mr. Alex Schnell (NYISO) noted that the proposal to not reimburse costs for returning a step-up transformer to service only applies in cases where: (1) the generator has entered an IIFO outage state; (2) the step-up transformer or relevant system protection equipment sustained damage; (3) the step-up transformer can be returned to service prior to the conclusion of the 365 day notice period; (4) the cost to return the step-up transformer to service is less \$100,000; and (5) the equipment is found to be needed to address an immediate reliability need identified in the short-term reliability process. Mr. Schnell explained that the goal is to ensure that facilities that are available, or that can easily be made available, won't be withheld.

Mr. Fromer asked for clarification about the proposal to apply the generator deactivation process requirements to the entity that possesses the ultimate decision authority for an asset. Mr. Burrell stated that the proposed change is intended to ensure that the rules apply to the ultimate decisional authority for each generator that is responsible for determining whether to deactivate the unit, noting that each generator will be required to specifically identify this entity to the NYISO. Mr. Fromer asked for further information regarding the intended timeline for obtaining information about decisional authority for each generator. Mr. Burrell stated the NYISO anticipates providing existing generators a period of several months to provide this information to the NYISO following FERC acceptance of the proposed Tariff revisions.

#### Motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve the concepts presented by the NYISO to implement the Short-Term Reliability Planning Process, including the concepts set forth in revisions to the Services Tariff Attachment H provided to Market Participants in advance of the meeting, as presented and discussed at the December 11, 2019 BIC meeting.

*Motion passed unanimously.*

#### **5. 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, including joint meetings with ICAPWG. The group met on November 13, 2019 and reviewed the proposal to develop a short-term reliability planning process and other proposed improvements to the reliability planning process. On November 18, 2019, the group met and reviewed presentations from Consolidated Edison, National Grid, NYPA, NYSEG, Orange & Rockland, and RG&E regarding their respective local transmission plans, key study assumptions for the Generator Deactivation Assessment for the Hudson Avenue 3 facility, the proposal to develop a short-term reliability planning process and other proposed improvements to the reliability planning process, an overview of recent Section 206 proceedings commenced by FERC in other regions related to the application of the exemption for immediate reliability need projects under Order No. 1000, proposed revisions to the Reliability Planning Process Manual, results for the evaluation of generic solutions addressing the identified constraints being assessed as part of the 2019 Congestion Assessment and Resource Integration Study (CARIS) Phase 1 analysis, and preliminary results for certain scenarios conducted as part of the 2019 CARIS Phase 1 analysis. The group also met on December 4, 2019 and reviewed the proposal to develop a short-term reliability planning process and other proposed improvements to the reliability planning process.
- Installed Capacity Working Group: The group has met five times since the last BIC meeting, including joint meetings with MIWG, ESPWG and/or PRLWG. On November 6, 2019, the group met and reviewed a presentation by Analysis Group regarding an overview of initial considerations for estimating net energy and ancillary services revenues for peaking plants as part of the 2019-2020 ICAP Demand Curve reset (DCR) process. The group met on November 18, 2019 and reviewed key study assumptions for the Generator Deactivation Assessment for the Hudson Avenue 3 facility. The group met on November 21, 2019 and reviewed potential revisions to the availability calculation methodologies for capacity supply resources, the NYISO's Management Response to the fuel and energy security study conducted by Analysis Group, a presentation by the Market Monitoring Unit (MMU) regarding its quarterly market assessment for Q3 2019, preliminary information regarding 2020/2021 Locational Minimum Installed Capacity Requirement values, and a presentation by Atlantic Economics regarding the proposal by the New York Transmission Owners to extend the transitional collaring mechanism that applies to reference point values calculated pursuant to the annual update process for the ICAP Demand Curves. On December 3, 2019, the group met and reviewed the 2019 Master Plan outlining a strategic vision for market design initiatives over the next five years. The group also met on December 5, 2019 and reviewed proposed revisions to the ICAP Manual related to the participation of energy storage resources in the capacity market, and proposed revisions to the methodology for calculating the composite escalation factor used for adjusting gross cost of new entry values as part of the annual update process for the ICAP Demand Curves.
- Load Forecasting Task Force: The group has met three times since the last BIC meeting. The group met on November 12, 2019, November 26, 2019, and December 9, 2019 and, at each meeting, reviewed the preliminary capacity market peak load forecast for the 2020/2021 Capability Year and updates thereto.
- Market Issues Working Group: The group has met three times since the last BIC meeting, including joint meetings with ICAPWG and PRLWG. The group met on November 21, 2019 and reviewed the NYISO's compliance filing proposal related to FERC's directed revisions to the pricing rules for fast-start resources, the NYISO's Management Response to the fuel and energy security study conducted by Analysis Group, a presentation by the MMU regarding its quarterly market assessment for Q3 2019, and proposed enhancements to the current transmission constraint pricing logic. On December 3, 2019, the group met and reviewed the 2019 Master Plan outlining a strategic vision for market design initiatives over the next five years, and a proposal to revise the location used for the Ontario proxy bus. The group also met on December 5, 2019 and reviewed the study report regarding the data analysis conducted as part of the ongoing assessment of the current shortage pricing values for Ancillary Services.
- Price Responsive Load Working Group: The group met jointly with ICAPWG and/or MIWG on November 6, 2019, November 21, 2019, December 3, 2019, and December 5, 2019 and reviewed the agenda topics for each meeting related to distributed energy resources (DER), energy storage resources and/or the NYISO-administered demand response programs.

## 6. New Business

There was no new business.

The meeting adjourned at 11:55 a.m.

***Business Issues Committee***  
December 11, 2019 Meeting  
Final Motions

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Motion #1:

Motion to approve the Minutes of the October 16, 2019 and November 6, 2019 BIC meetings.

*Motion passed unanimously.*

Motion #2:

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee approve the concepts presented by the NYISO to implement the Short-Term Reliability Planning Process, including the concepts set forth in revisions to the Services Tariff Attachment H provided to Market Participants in advance of the meeting, as presented and discussed at the December 11, 2019 BIC meeting.

*Motion passed unanimously.*

# New York Independent System Operator - Committee Membership

## Business Issues Committee - December 11, 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	✓Schwall , Matthew					
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	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							
Helix Ravenswood LLC	Generation Owners	D'Andrea , James	Kline , Marc	DiBari , Dominic							
Howard Wind LLC	Generation Owners	Smith , David	Bodnar , Michael	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							
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	Ellis , Dean	Chintapalli , Raj	✓Ackerman, Alan							
BioUrja Power, LLC	Other Suppliers	Shah , Kinjal	Patel , Ankeet	Eamani , Arun							
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								
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	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	Bélangier , 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	Trotta , Alan	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	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							
XO Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson , Matthew	Hughes , Adam							
Central Hudson Gas & Electric Corp.	Transmission Owners	Borchert , John	✓Chan, Ting	Jolly , James	Delmar , Valerie						
Consolidated Edison Co. of NY, Inc.	Transmission Owners	Quin , Jane	✓Hargett , Chris	Yu , Joel	✓Lazarus , Dana	Butterklee, Neil	LoFrumento , Susan				
National Grid	Transmission Owners	✓Janzen , Margaret	Lodemore , David	Wilkie , Brian							



Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Institute for Policy Integrity at NYU School of Law	Non Voting	Unel , Burcin	Noll , Bethany	Bialek , Sylwia	Gundlach , Justin						
Key Capture Energy	Non Voting	Galarneau , Kenneth	Goldwasser , Rachel	Fitzgerald , Dan							
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	Vezenia , 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									
Northeast Clean Heat & Power Initiative	Non Voting	Melpignano , Kristin	Brown , Ruben	Cinadr , Matt	Dwyer , Herb	Lillian , Jon					
NuErogen	Non Voting	Hamilton , Sandy	Korczykowski , Ryan								
Plus Power, LLC	Non Voting	Fraenkel , Alex									
RBC Energy Services, LP	Non Voting	Rigby , Angus	Everhardt , Brandon								
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					