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**NYISO Business Issues Committee Meeting Minutes**  
**November 6, 2019**  
**10:00 a.m. – 12:10 p.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.

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

Mr. 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.

**3. BIC Vice Chair Election for 2019-2020**

Mr. Matthew Schwall (IPPNY) was elected to serve as the BIC Vice Chair for the 2019-2020 term.

**4. More Granular Operating Reserves**

Ms. Ashley Ferrer (NYISO) reviewed the presentation included with the meeting material.

Mr. Howard Fromer (PSEG) asked whether the proposed load pocket reserve requirements are seeking to provide a more targeted distribution of the locations within which to hold 800 MW of the total 1,000 MW 30-minute reserve requirement for Load Zone J. Ms. Ferrer confirmed that the proposed load pocket reserve requirements are intended to provide price signals regarding more targeted locations for holding a portion of the 30-minute reserve requirement applicable to Load Zone J.

Mr. Fromer requested further information regarding the set of resources the NYISO is proposing to audit as part of the enhancements to its reserve provider audit process. Ms. Ferrer (NYISO) stated that, going forward, the NYISO will seek to audit all resources qualified to provide 10-minute or 30-minute reserves at least once per year.

Mr. Michael Cadwalader (Atlantic Economics) stated that assessing performance of reserve providers solely based on performance during audits is insufficient. Mr. Cadwalader further stated that it is necessary to supplement the assessment of audit performance with an analysis of actual performance of reserve providers during reserve pickup events. Ms. Ferrer stated that the NYISO is currently analyzing reserve pickup event performance and working to distill this information into a format to facilitate the review thereof with stakeholders. She also noted that a preliminary review of the reserve pickup performance from the Summer 2019 Capability Period demonstrated that resources activated during reserve pickup events provided approximately 98% of the expected MW capability. Mr. Cadwalader replied that the NYISO should refrain from drawing conclusions about the need for potential changes to the current reserve payment structure until data addressing reserve provider performance during reserve pickup events has been reviewed with stakeholders.

Mr. Fromer asked for confirmation that project plan for 2020 does not currently anticipate implementation of the proposed load pocket reserve requirements in 2020. Ms. Ferrer stated that, currently, the 2020 project plan does not include implementation of the load pocket reserves during 2020. Ms. Ferrer further noted that the NYISO is continuing to evaluate the potential timeframe that would be practicable for seeking to implement the proposed load pocket reserve requirements.

Ms. Amanda Trinsey (Couch White) stated that the market design for the load pocket reserves should not be considered finalized/complete prior to conducting a consumer impact analysis for the proposal. Mr. Michael DeSocio (NYISO) stated

that the NYISO is committed to conducting a consumer impact analysis of the proposed load pocket reserve requirements prior to seeking stakeholder approval thereof.

Mr. Cadwalader requested that the consumer impact analysis for the proposed load pocket reserves include an assessment of how often the proposed load pocket reserve requirements could result in the commitment of MW in excess of the needs to meet the Local Reliability Requirements (LRRs), as well as the extent to which the proposed load pocket reserve requirements could result in insufficient MW commitments to satisfy the LRRs.

## **5. Class Year and Interconnection Process Enhancements**

Mr. Thinh Nguyen (NYISO) reviewed the presentation included with the meeting material.

Mr. Mark Younger (Hudson Energy Economics) asked for further information regarding the timeline for the NYISO to provide information to stakeholders regarding the finalized set of projects included in Class Year 2019. Mr. Nguyen stated that the NYISO is currently targeting to finalize membership in Class Year 2019 by the end of November 2019.

Mr. David Clarke (LIPA) asked whether the proposed clarification to the Capacity Resource Interconnection Service (CRIS) expiration rules mandate that load modifiers become ICAP Suppliers directly participating in the wholesale capacity market. Mr. Nguyen stated that the proposed rules clarify the procedures for determining when CRIS rights expire, but do not include any mandate that load modifiers become ICAP Suppliers directly participating in the NYISO-administered capacity market.

Mr. Clarke asked for clarification regarding the time period that a project that obtains CRIS has to become operational before their CRIS rights expire. Mr. Nguyen stated that new resources would generally be required to begin operation within 4 years of obtaining CRIS or such previously awarded CRIS rights would be extinguished. In response, Mr. Clarke provided the following statement for the minutes:

One of the big picture issues [LIPA is] foreseeing as we move to achieve the goals of the CL&CPA is the ability to distinguish viable projects that have paid for upgrades versus projects that are not viable that have paid, as the cost of additional upgrades beyond those identified may be prohibitive and non-viable projects may be able to create a barrier for viable or required projects.

Mr. Mark Reeder (ACE-NY) sought confirmation that proposed rules addressing the timing for various studies does not prohibit a project from requesting a Facilities Study Agreement earlier than the timeframe mandated by the tariff. Mr. Nguyen confirmed that projects have the right to request tendering of the Facilities Study Agreement prior to the mandated timeframe. Mr. Nguyen further noted that the proposed revisions to the tariff expressly address a project's right to request early tendering of the Facilities Study Agreement.

Mr. Clarke asked for clarification regarding the proposed changes to the regulatory milestone requirement for offshore wind projects. Mr. Nguyen stated that the proposal would expand the list of qualifying actions/activities that an offshore wind project could utilize satisfy its regulatory milestone requirement.

Mr. Matt Schwall commended the NYISO's efforts in collaborating with stakeholders to develop the proposed enhancements to the Class Year and interconnection processes.

### Motion #1:

The Business Issues Committee (BIC) hereby recommends that the Management Committee approve changes to the NYISO's Open Access Transmission Tariff and Market Administration and Control Area Services Tariff with regard to the Class Year and Interconnection Queue Redesign as presented to the BIC on November 6, 2019.

*Motion passed unanimously with one abstention.*

## **6. Proposed Revisions to the Competitive Entry Exemption of the Buyer Side Mitigation Rules**

Mr. Jonathan Newton (NYISO) reviewed the presentation included with the meeting material.

Ms. Doreen Saia (Greenberg Traurig) asked for clarification that the application of the proposed changes to Class Year 2019 only applies to projects that are already members of Class Year 2019. Mr. Newton (NYISO) confirmed that the proposed application of the changes to Class Year 2019 would apply only to projects that were already members of Class Year 2019 at the time of FERC approval of the proposed changes.

Ms. Saia noted appreciation for the collaborative efforts of the NYISO and stakeholders to develop the proposed alternative to the prior repowering exemption proposal as part of the proposed revisions to the Competitive Entry Exemption.

Mr. Fromer stated that the proposed changes provide a reasonable approach to addressing a potential unintended barrier to pursuing repowering in light of common commodity hedging practices in the marketplace.

#### Motion #2:

The Business Issues Committee (BIC) hereby recommends that the Management Committee approve changes to the NYISO's Market Administration and Control Area Services Tariff with regard to the Competitive Entry Exemption proposals as presented to the BIC on November 6, 2019.

*Motion passed unanimously.*

### **7. Working Group Updates**

- Billing and Accounting and Credit Working Group: The group met on October 25, 2019 and reviewed the standard accounting/settlement reports, as well as the proposed enhancements to certain credit-related reporting requirements.
- Electric System Planning Working Group: The group has met five times since the last BIC meeting, including joint meetings with ICAPWG, MIWG, and/or PRLWG. The group met on October 22, 2019 and reviewed proposed enhancements to the Class Year Study and interconnection processes. On October 23, 2019, the group met and reviewed presentations from LIPA and Central Hudson regarding their respective local transmission plans, proposed revisions to the Reliability Planning Process Manual, load forecast assumptions to be used in the scenarios conducted as part of the 2019 Congestion Assessment and Resource Integration Study (CARIS) Phase 1 analysis, assumptions for the 70x30 scenario to be conducted as part of the 2019 CARIS Phase 1 analysis, and the proposal to develop a short-term reliability planning process. The group met on October 28, 2019 and reviewed proposed enhancements to the Class Year Study and interconnection processes. On November 1, 2019, the group met and reviewed an overview of the phase 2 analysis to be conducted as part of the ongoing climate change impact and resilience study project, proposed enhancements to the Class Year Study and interconnection processes, and the proposal to develop a short-term reliability planning process. The group also met on November 4, 2019 and reviewed proposed revisions to the Reliability Planning Process Manual, preliminary results for the generic solutions addressing the identified constraints being assessed as part of the 2019 CARIS Phase 1 analysis, and the proposal to develop a short-term 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 October 18, 2019, the group met and reviewed a presentation by Consolidated Edison regarding a proposal to increase the MW threshold for current bidding and scheduling exemptions applicable to certain generators serving the NYC steam system, proposed revisions to the Load Forecasting Manual related to treatment of Behind-the-Meter Net Generation Resources, and potential revisions to the availability calculation methodologies for capacity supply resources. The group met on October 22, 2019 and reviewed a presentation by Analysis Group regarding the results of its supplemental analysis of the potential impacts of the proposed carbon pricing initiative, and proposed enhancements to the Class Year Study and interconnection processes. The group met on October 28, 2019 and reviewed stakeholder proposed changes to the ICAP Demand Curve reset process, a proposal to add a competitive entry exemption to the buyer-side mitigation rules for additional Capacity Resource Interconnection Service (CRIS) requests, proposed revisions to the types of permissible contracts allowed as part of the competitive entry exemption from the buyer-side mitigation rules, and proposed

enhancements to the Class Year Study and interconnection processes. On November 1, 2019, the group met and reviewed proposed enhancements to the Class Year Study and interconnection processes. The group also met on November 5, 2019 and reviewed the results of the annual update process for determining the ICAP Demand Curves effective for the 2020-2021 Capability Year.

- Load Forecasting Task Force: The group met on October 25, 2019 and held its annual Fall Economic Conference reviewing national and New York economic outlook reports by Moody's Analytics. The group also reviewed scenario assumption for the ongoing 2019 climate change impact and resilience study project, and an overview of the New York State Mesonet.
- Market Issues Working Group: The group has met four times since the last BIC meeting, including joint meetings with ICAPWG, ESPWG and/or PRLWG. The group met on October 18, 2019 and reviewed a presentation by Consolidated Edison regarding a proposal to increase the MW threshold for the current bidding and scheduling exemptions applicable to certain generators serving the NYC steam system, the Consumer Impact Analysis related to the NYISO's compliance filing proposal related to FERC's directed revisions to the pricing rules for fast-start resources, and an update regarding data analysis being conducted as part of the ongoing assessment of the current shortage pricing values for Ancillary Services. On October 22, 2019, the group met and reviewed a presentation by Analysis Group regarding the results of its supplemental analysis of the potential impacts of the proposed carbon pricing initiative. The group met on October 28, 2019 and reviewed the NYISO's compliance filing proposal in response to FERC's directed changes to the pricing rules for fast-start resources, a proposal for procuring quantities of reserves in excess of the minimum requirements needed to satisfy reliability requirements, the ongoing review of alternative data communication methods for distributed energy resources (DER) participating in the wholesale markets, a proposal to develop reserve requirements for certain load pockets within New York City, and additional data regarding the assessment of performance by reserve providers and potential enhancements to the reserve provider audit process. The group also met on November 5, 2019 and reviewed a presentation by the Market Monitoring Unit regarding performance of reserve providers, and proposed enhancements to the current transmission constraint pricing logic.
- Price Responsive Load Working Group: The group met jointly with ICAPWG, MIWG and ESPWG on October 22, 2019 and October 28, 2019 and reviewed the agenda topics for each meeting related to DER, energy storage resources and/or the NYISO-administered demand response programs.

## **8. New Business**

There was no new business.

The meeting adjourned at 12:10 p.m.

***Business Issues Committee***  
November 6, 2019 Meeting  
Final Motions

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*Motion passed unanimously with an abstention.*

Motion #2:

The Business Issues Committee (BIC) hereby recommends that the Management Committee approve changes to the NYISO's Market Administration and Control Area Services Tariff with regard to the Competitive Entry Exemption proposals as presented to the BIC on November 6, 2019.

*Motion passed unanimously.*



Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
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	May , Jeff	Dittmann, David					✓Turner, Hal	
Consolidated Edison Co. of NY, Inc.	Transmission Owners	✓Quin , Jane	Nachmias, Stuart	Hargett , Chris	Yu , Joel	Lazarus , Dana	Butterklee, Neil				
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	✓Caletka, Patricia	Lynch , Tim	✓Brophy , Richard							
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								
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								
American Sugar Refining, Inc	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	✓Mager, Michael	✓Trinsey , Amanda					
Association for Energy Affordability	Small Consumer	Strauss , Valerie	Hepinstall, David	Morris, Jackson							
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	✓Mager, Michael	✓Trinsey , Amanda					
Fordham University	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	✓Mager, Michael	✓Trinsey , Amanda					
Memorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	✓Mager, Michael	✓Trinsey , Amanda					
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	✓Mager, Michael	✓Trinsey , Amanda					
New York University	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	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	Loiacono , Matthew	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	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	Fink , Sari	✓Reeder , Mark	Reynolds , Anne	Grace , Gene						
Environmental Advocates	Environmental	Bambrick , Conor	Morris, Jackson								
Environmental Defense Fund	Environmental	Christian , Rory	Stein , Elizabeth	Panfil , Michael							
Natural Resources Defense Council	Environmental	Morris, Jackson	De Costanzo , Donna							✓Reeder, Mark	
PACE Energy & Climate Center	Environmental	Musgrove , Sheryl	Taylor , Geordi	Morris, Jackson							
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	Howe , Cullen	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								
Boston Energy Marketing & Trading	Non Voting	Kramek , Mike									
Bruce Power	Non Voting	Jain , Anshul	Meyer , Sandra								
Caithness Energy LLC	Non Voting	Keevill , Gary	Alvarez , Asavari	Garber, Mitchell							
Calpine Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	Sunga , Leonard							
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						
Cypress Creek Renewables	Non Voting	Kohlstedt , Kevin	Kemp , Melissa	Scavo , Marisa							
Ecesis LLC	Non Voting	Wu , Brian									
Energya VM	Non Voting	Garcia , Francisco	Maeso , Manual	Lopez , Ana	Corvillo , Cristina						

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Fluent Energy	Non Voting	Acampora , Peter	Doll , Ed								
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								✓ Galarneau, Ken
LS Power Grid NY	Non Voting	Willick , Lawrence	York , Joshua	Hayes , Patrick							
Lockport Energy Assoc.	Non Voting	Gesicki , Thomas	Youngberg , Mar y								
MAG Energy Solutions, Inc.	Non Voting	Pelletier , Simon	Vezina, 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					
Northline Utilities LLC	Non Voting	McKinney , Jeff	Danskin , Susan								
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	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					