
NYISO Business Issues Committee Meeting Minutes
June 24, 2020
10:00 a.m. – 12:10 p.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. Market Operations Report and Broader Regional Markets Report

Mr. Michael DeSocio (NYISO) reviewed the Market Operations and Broader Regional Markets reports included with the meeting material.

Mr. Dan Mahoney (NYPA) asked whether the NYISO is able to differentiate impacts on wholesale market prices for milder weather versus the impacts of the COVID-19 pandemic. Mr. DeSocio stated that the NYISO does not have information that attempts to directly assign changes in prices to specific factors such as weather or the ongoing impacts on load related to the COVID-19 pandemic.

Mr. DeSocio reviewed the broader regional markets report included with the meeting material noting that there have been no updates to the report since the last BIC meeting.

3. CARIS Phase 1 Report

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

Mr. Kevin Lang (Couch White) raised concerns about the need to avoid the potential for adverse consequences of utilizing data from the Congestion Assessment and Resource Integration Study (CARIS) in subsequent analyses conducted as part of the Reliability Needs Assessment (RNA) in the event that more recent data and information may be available at the time a subsequent RNA is undertaken. Mr. Zach G. Smith (NYISO) clarified that the RNA base case utilizes the most current information available at the time it is developed and CARIS is conducted subsequent to the RNA as part of each planning cycle under the Comprehensive System Planning Process (CSPP). Mr. Zach G. Smith further noted that the data and information from the reliability planning process is used in developing the subsequent CARIS base case modeling assumptions.

Mr. Mark Younger (Hudson Energy Economics) requested confirmation that the CARIS Phase 1 base case assumes the Somerset generation facility as in-service due to the fact that its retirement did not occur until after the date for finalizing assumptions for such base case. Mr. Frasier confirmed that the Somerset generation facility is assumed as in-service for purposes of the CARIS Phase 1 base case due to the timing of the facility's retirement subsequent to the date for finalizing assumptions for the base case. Mr. Frasier further noted that the facility was assumed to be out-of-service for purposes of the 70x30 scenario conducted as part of the CARIS Phase 1 analyses.

Mr. Dave Clarke (LIPA) asked for further information regarding the assumed cost of energy efficiency assessed in evaluating the relative benefit of utilizing energy efficiency to relieve the persistent transmission congestion for the three study areas identified in the CARIS Phase 1 base case results. Mr. Frasier noted that the magnitude of energy efficiency required to relieve persistent transmission congestion in the study areas identified in the CARIS Phase 1 base case assessment results in a need to rely on more expensive measures that are above and beyond the level of energy efficiency assumed as already existing in the base case.

Mr. Wentlent asked for clarification regarding the nuclear retirement assumptions in the CARIS Phase 1 base case. Mr. Frasier stated that for purposes of the CARIS Phase 1 base case, the only nuclear facility retirements assumed are Indian Point 2 and 3.

Mr. Clarke noted appreciation for the NYISO's efforts in developing and undertaking the 70x30 scenario conducted as part of the CARIS Phase 1 analyses.

Market Monitoring Unit's Assessment of the CARIS Phase 1 Results

Mr. Pallas LeeVanSchaick (Potomac Economics) reviewed a presentation regarding the Market Monitoring Unit's review of the 2019 CARIS Phase 1 report.

Mr. Lang asked for clarification regarding the nature of the capacity market benefits that the Market Monitoring Unit (MMU) contends are not currently accounted for as part of the CARIS Phase 1 base case assessment. Mr. LeeVanSchaick stated that the benefit-to-cost ratios calculated under the CARIS Phase 1 base case analysis do not currently account for any capacity market impacts that can result from transmission system upgrades, such as reducing locational capacity requirements.

Mr. Younger asked for clarification regarding how the MMU estimated potential renewable energy credit (REC) revenue values in 2030 for various renewable technologies under an indexed REC structure. Mr. LeeVanSchaick stated that the MMU assumed that strike price for renewable resources would be set to a value equal to the levelized cost of new entry (CONE) calculated by the MMU for various renewable technologies in locations throughout New York and that the REC revenues received would reflect the indexed REC construct's offset for average capacity and zonal energy market revenues based on the MMU's estimation of such future capacity and energy market prices.

Mr. Howard Fromer (PSEG) asked what discharge duration capability is assumed in the MMU's analysis regarding the potential economics for operating energy storage in 2030. Mr. LeeVanSchaick stated that the MMU's analysis assumed 4-hour duration energy storage resources.

Motion #1:

WHEREAS, the Electric System Planning Working Group ("ESPWG") and Transmission Planning Advisory Subcommittee ("TPAS") have held a series of meetings to discuss and review the studies and analyses underlying the NYISO's 2019 Congestion Assessment and Resource Integration Study ("2019 CARIS") Phase 1; and
WHEREAS, NYISO Staff has posted a draft 2019 CARIS Report dated June 17, 2020, including Appendices ("Draft Report"), for the June 24, 2020 Business Issues Committee ("BIC") meeting; and
The Business Issues Committee ("BIC") hereby recommends that the Management Committee recommend that the Board of Directors approves the 2019 CARIS Phase 1 Draft Report, as presented and discussed at the BIC meeting held on June 24, 2020.

Motion passed unanimously.

4. Working Group Updates

- Billing and Accounting and Credit Working Group: The group met on June 18, 2020 and reviewed the standard accounting/settlement reports, proposed enhancements to the credit security requirements for the Transmission Congestion Contracts (TCC) market, and the zonal cost allocation results that will apply to costs for Segment A of the AC Transmission Public Policy Transmission Need.
- Electric System Planning Working Group: The group has met three times since the last BIC meeting. On May 22, 2020, the group met and reviewed updates to topology and other base case modeling assumptions for the 2020 Reliability Needs Assessment (RNA), the draft study report for the 2019 Congestion Assessment and Resource Integration Study (CARIS) Phase 1 analysis, and topology assumptions for the 2021/2022 Capability Year installed reserve margin analysis. The group met on June 4, 2020 and reviewed 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, an overview of the timeline for reliability planning study activities for 2020, and the draft study report for the 2019 CARIS Phase 1 analysis. The group also met on June 19, 2020 and reviewed initial results for the 2020 RNA base case, assumptions for the 70x30 scenario to be conducted as part of the 2020 RNA, and the zonal cost allocation results that will apply to costs for Segment A of the AC Transmission Public Policy Transmission Need.

- Installed Capacity Working Group: The group has met jointly with MIWG and/or PRLWG five times since the last BIC meeting. The group met on May 20, 2020 and reviewed the application of buyer-side mitigation rules to new Special Case Resources in response to FERC's directives, and a presentation by the Advanced Energy Management Alliance regarding considerations related to the application of buyer-side mitigation rules to new Special Case Resources in response to FERC's directives. On June 2, 2020, the group met and reviewed the bidding rules for energy storage resources participating in the wholesale capacity market, and an overview of the renewable technology assessment to be conducted as part of the renewable exemption of the buyer-side mitigation rules. The group met on June 8, 2020 and reviewed the reviewed the Market Monitoring Unit's 2019 State of the Market report. On June 10, 2020, the group met and reviewed a presentation by Analysis Group regarding its draft report and preliminary results related to the ongoing 2019-2020 ICAP Demand Curve reset process, and grid operations considerations regarding maintaining reliability in response to the ongoing transformation of the electric system. The group also met on June 22, 2020 and reviewed a presentation by NRG regarding a forward clean energy market construct, reliability considerations and potential enhancements in response to the ongoing transformation of the electric system, and a presentation by The Brattle Group regarding 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).
- Load Forecasting Task Force: The group has met twice since the last BIC meeting. On May 21, 2020, the group met and reviewed impacts on load patterns and energy consumption related to the ongoing COVID-19 pandemic, and the economic scenario analysis for its Spring Economic Conference. The group met on June 17, 2020 for its annual Spring Economic Conference, and also reviewed impacts on load patterns and energy consumption related to the ongoing COVID-19 pandemic, as well as considerations related to quantifying the amount of behind-the-meter solar generation installed in New York.
- Market Issues Working Group: The group has met jointly with ICAPWG and PRLWG four times since the last BIC meeting. On June 2, 2020, the group met 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, a proposal to increase the current 30-minute reserve requirement for the Southeastern New York (SENY) reserve region, and the Consumer Impact Analysis related to the proposal to increase the current 30-minute reserve requirement for the SENY reserve region. The group met on June 8, 2020 and reviewed the reviewed the Market Monitoring Unit's 2019 State of the Market report. The group met on June 10, 2020 and reviewed grid operations considerations regarding maintaining reliability in response to the ongoing transformation of the electric system, and the supplemental survey results related to the Autumn 2020 Centralized TCC Auction. On June 22, 2020, the group met and reviewed reliability considerations and potential enhancements in response to the ongoing transformation of the electric system, and a presentation by The Brattle Group regarding 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.
- Price Responsive Load Working Group: The group met jointly with ICAPWG and/or MIWG five times since the last BIC meeting (i.e., May 20, 2020, June 2, 2020, June 8, 2020, June 10, 2020, and June 22, 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.

5. New Business

There was no new business.

Meeting adjourned at 12:10 p.m.

Business Issues Committee Meeting

June 24, 2020
Final Motion

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WHEREAS, NYISO Staff has posted a draft 2019 CARIS Report dated June 17, 2020, including Appendices (“Draft Report”), for the June 24, 2020 Business Issues Committee (“BIC”) meeting; and

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee recommend that the Board of Directors approves the 2019 CARIS Phase 1 Draft Report, as presented and discussed at the BIC meeting held on June 24, 2020.

Motion passed unanimously.

New York Independent System Operator - Committee Membership

Business Issues Committee - June 24, 2020 - WebEx - 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	Fromer, Howard								
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							
Dynergy 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						✓ Schwall, Matthew	
Ontario Power Generation, Inc.	Other Suppliers	Lauritsen, Kim									
PSEG Energy Resource & Trade, LLC	Other Suppliers	Gordon, Joel	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							

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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					