NYISO Business Issues Committee Meeting Minutes February 12, 2020 10:00 a.m. – 10:25 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. January 15, 2020 Meeting Minutes

There were no questions or comments regarding the draft minutes from the January 15, 2020 BIC meeting that were included as part of the meeting material.

Motion#1:

Motion to approve the January 15, 2020 BIC meeting minutes.

Motion passed unanimously with an abstention.

3. 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.

4. ICAP Manual Revisions: 2020/2021 Capability Year External ICAP Rights

Mr. Frank Ciani (NYISO) reviewed 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 Section 4.9.6 of the Installed Capacity Manual updating the imports rights limits as presented and discussed at the BIC meeting on February 12, 2020.

Motion passed unanimously.

5. Transmission Congestion Contracts Manual Revisions

Mr. Greg Williams (NYISO) reviewed the presentation included with the meeting material.

Mr. Bruce Bleiweis (DC Energy) requested additional information regarding the proposed revisions to Section 3.4.5 of the TCC Manual related to requests for access to TCC Auction Data. Mr. Williams clarified that the proposed revisions reflect the updated online process for submitting requests to obtain TCC Auction Data.

Mr. Jim D'Andrea (Helix Ravenswood) requested confirmation that the proposed revisions to the TCC Manual are consistent with the applicable tariff requirements. Mr. Williams stated that the proposed revisions to the TCC Manual are consistent with the TCC market rules set forth in the NYISO Open Access Transmission Tariff.

Motion #3:

The Business Issues Committee (BIC) hereby approves the revisions to the Transmission Congestion Contracts Manual, as more fully described in the presentation entitled "Transmission Congestion Contracts Manual Revisions" made to the BIC on February 12, 2020.

Working Group Updates

- <u>Billing and Accounting and Credit Working Group</u>: The group met on January 28, 2020 and reviewed the rules related to providing unsecured credit to governmental entities.
- <u>Electric System Planning Working Group</u>: The group met on January 23, 2020 and reviewed updates to the minimum interconnection standard requirements for NYSEG and RG&E, key study assumptions for the Generator Deactivation Assessment for the Somerset facility, an overview of the anticipated schedule for the 2020 Reliability Needs Assessment (RNA), and an overview of potential scenarios to be assessed as part of the 2020 RNA.
- Installed Capacity Working Group: The group has met five times since the last BIC meeting, including joint meetings with MIWG and/or PRLWG. On January 21, 2020, the group met and reviewed proposed enhancements to the mitigation study period considered in conducting the Part A and Part B tests of the buyerside mitigation rules, and an overview of the scope and anticipated schedule for commencing the evaluation of a locational marginal pricing of capacity concept. The group met on January 30, 2020 and reviewed potential revisions to the availability calculation methodologies for capacity supply resources, and a presentation by Analysis Group related to considerations for establishing amortization periods for various technologies and modeling assumptions for estimating net energy and ancillary services revenues for peaking plants as part of the 2019-2020 ICAP Demand Curve reset process. The group met on February 4, 2020 and reviewed the proposed maximum allowable import capacity values from external areas for the 2020/2021 Capability Year, and potential enhancements to the Part A exemption test of the buyer-side mitigation rules. On February 6, 2020, the group met and reviewed an update to the scope and anticipated schedule for the ongoing comprehensive capacity market mitigation review initiative, and a presentation by the Market Monitoring Unit regarding the ongoing evaluation of a locational marginal pricing of capacity concept. The group also met on February 10, 2020 and reviewed proposed revisions to the ICAP Manual related to the participation of energy storage resources in the capacity market.
- Load Forecasting Task Force: The group has not met since the last BIC meeting.
- <u>Market Issues Working Group</u>: The group has met jointly with ICAPWG and PRLWG four times since the last BIC meeting. The group met on January 30, 2020 and reviewed an overview of the scope and anticipated schedule for further assessing five minute scheduling of interregional transactions. On February 4, 2020, the group met and reviewed potential energy and ancillary services market enhancements in response to the ongoing transformation of the electric system, and a presentation by PA Consulting regarding considerations and challenges presented in meeting the requirements of the Climate Leadership and Community Protection Act. The group met on February 6, 2020 and reviewed the proposed methodology for the Consumer Impact Analysis related to the proposal for establishing reserve requirements for certain load pockets within New York City. The group also met on February 10, 2020 and reviewed data regarding the performance of reserve providers during reserve pickup events, and the proposal to establish reserve requirements for certain load pockets within New York City.
- <u>Price Responsive Load Working Group</u>: The group met jointly with ICAPWG and/or MIWG on January 21, 2020, January 30, 2020, February 4, 2020, February 6, 2020, and February 10, 2020. At each meeting, the group reviewed the agenda topics related to distributed energy resources (DER), energy storage resources and/or the NYISO-administered demand response programs.

New Business

There was no new business

Meeting adjourned at 10:25 a.m.

Business Issues Committee Meeting February 12, 2020 Final Motions

Motion #1: Motion to approve the January 15, 2020 BIC meeting Minutes.

Motion passed unanimously with an abstention.

Motion #2:

The Business Issues Committee ("BIC") hereby approves the revisions to Section 4.9.6 of the Installed Capacity Manual updating the imports rights limits as presented and discussed at the BIC meeting on February 12, 2020.

Motion passed unanimously.

<u>Motion #3</u>:

The Business Issues Committee (BIC) hereby approves the revisions to the Transmission Congestion Contracts Manual, as more fully described in the presentation entitled "Transmission Congestion Contracts Manual Revisions" made to the BIC on February 12, 2020.

Motion passed unanimously with abstentions.

New York Independent System Operator - Committee Membership

Business Issues Committee - February 12, 2020 - telecon - Parties Checked in Attendance

rganization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
oria Energy LLC	Generation Owners	McCall, Chuck	Browne, Scott	Habib , Phillipe	Singer, Leonard						
onne Energy Center, LLC	Generation Owners	Allman, Ellen	Caplan , Stu								
Valley LLC	Generation Owners	Litchfield , Matt	Rumsey, Tom	Pierpont, Daniel							
vine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve	Schwall , Matthew					
anta Niagara, LP	Generation Owners	Burke , David	Abbott , Sharon								
eket Valley Energy Center	Generation Owners	Davis, Charles	Wallenstein, Arnold	Paryl, Ron							
skammer Energy, LLC	Generation Owners	Reid, William	Cada, Eric								
P Renewables North America LLC	Generation Owners	Brodbeck , John	Loturco, Thomas	High , Jeremy	Priemer, Dustin						
t Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	McEachern, Ben	Franzetti , Paul						
pire Generating Co, LLC	Generation Owners	Morris , Chandler	Maida , Jeff	Hudson, Daniel							
ergy Nuclear Northeast	Generation Owners	Dell Orto , Ken	🗸 Saia, Doreen	Bergeron, John							
lePath Power Solutions LLC	Generation Owners	McKissack, Chris	Baur, Sean	Vickery, Chris	Labij , Denis	Braun , Gary					
x Ravenswood LLC	Generation Owners	D'Andrea , James	Kline , Marc	DiBari , Dominic							
ard Wind LLC	Generation Owners	Smith, David	Brocks, Annette	Rohrbach, John							
ck Energy Services, Inc.	Generation Owners	Ferguson, Mike	Younger, Mark								
vative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
nergy Energy Management LLC	Generation Owners	Bangston, Kaley	Goldstein, Michael	Orzel, Chris							
Capture Energy	Generation Owners	🖌 Galarneau , Kenneth	Goldwasser, Rachel	Fitzgerald, Dan							
onal Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
irk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan, James								
erset Operating Company, LLC	Generation Owners	Gregson, Brian	Goodenough , Jeery	Love, Jordan							
nergy LLC	Other Suppliers	Ni, Bing	Lee, George								
Energy Company	Other Suppliers	Ellis, Dean	Chintapalli , Raj	🗸 Ackerman, Alan							
okfield Energy Marketing L.P.	Other Suppliers	LaRoe , Chris	Talamo, Marco	Dziedzic, Tomasz	Madonna, Phil						
leton Commodities Merchant Trading L.P.	Other Suppliers	Stuss, Gordon	Romine, Brad	Emmett, Robert	indonia, r mi						
roup Energy Inc.	Other Suppliers	Gollomp , Jeffrey	Bisaria, Shikher	Elimett, Robert							
solidated Edison Energy, Inc.	Other Suppliers	Mah, Norman	Dannels, Jeff								
tellation New Energy	Other Suppliers	Barlette, Richard	Kirk , Steven								
s Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
Energy	Other Suppliers	Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
Energy	Other Suppliers	German, Robert	Pakela, Gregory	rate, iviatiliew	Wilberg, Sadao	Jeev, Kullar					
ct Energy Business Marketing, LLC	Other Suppliers	Carrier, Ron	Morris, Sandra								
egy Marketing and Trade	Other Suppliers	Weinstein, Andrew	Allen, Sean								
EL X	Other Suppliers	Geller, Greg	Chibani, Yanis								
GIE Energy Marketing NA, Inc.	Other Suppliers	Levine, Jeffrey	Hawkins, Darin	Campbell, Chad							
ern Generation	Other Suppliers	Baker, Liam	Reese, John	Younger, Mark	Schwall , Matthew	Johnson, David	Wolcott, Tyler				
gy Spectrum	Other Suppliers	David, Gary	Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas, Cristina	Cinadr , Matt		
	Other Suppliers			riolouig, Duila	iono with, i nom	Brown, Rubbh		(inegas , eristina	emain , mai		
gy Technology Savings Inc. d/b/a Logical dings		Hendler, Jeff	Ross, Valerie								
on Generating Co. LLC	Other Suppliers	Barlette, Richard	Kirk , Steven								
Power	Other Suppliers	Fernands, Rochelle	Ackerman, Alan								
Energy Services US	Other Suppliers	Plante, Matthieu	Leuthauser, Scott	Guilbault, Louis	Bélanger, Frédéric						
ventive Power	Other Suppliers	Gruber , Craig	Halford, Steve								
curia Energy America, Inc.	Other Suppliers	Davis, Andrew	Younger, Mark	Frye, Samuel							
gan Stanley Capital Group, Inc.	Other Suppliers	Kochonies, Karen	Meditz, Alex	Grimes , Jordan							
Power Marketing Inc.	Other Suppliers	Fitch , Neal	Hsia , Jennifer	Cona , Lisa	Kranz , Bradley						
York Transco	Other Suppliers	Mullin, Victor	Trotta, Alan	Caso , Rob	Carrigan, Kathleen	Camp , Adam					
Era Energy	Other Suppliers	Applebaum, David	Talbot, Soria	Gibelli , Stephen							
rio Power Generation, Inc.	Other Suppliers	Lauritsen, Kim									
G Energy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	DePillo, Raymond	Cimino , David	Dillon, George						
bay Corporation	Other Suppliers	Merola, Peter	Ellison, Noel								
O Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Energy North America, LLC	Other Suppliers	Picardi, Matt									
entown Spindle, LLC	Other Suppliers	Streeter, Christopher									
n Energy	Other Suppliers	Toomey, Megan	Hohenshilt, Jennifer	Labella , Julie	Raggio , Debra						
ity Energy, Inc.	Other Suppliers	Freifeld, Allen									
Inc.	Other Suppliers	Wadsworth, Joe	Viola , Bob	Kahn, Casey							
Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson , Matthew	Hughes, Adam							
ral Hudson Gas & Electric Corp.	Transmission Owners	May , Jeff	🗸 Chan, Ting	Jolly, James	Delmar, Valerie						
solidated Edison Co. of NY, Inc.	Transmission Owners	Quin, Jane	Hargett, Chris	Yu, Joel	Lazarus, Dana	Butterklee, Neil	LoFrumento, Susan				

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7
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								
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	Baker , Laura					
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						
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	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	Zielinski, Andrew	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	Reynolds, Anne	Reeder , Mark	Fink, Sari	Tabak , Gabe	Grace, Gene			
Environmental Advocates	Environmental	Bambrick , Conor	Morris, Jackson						
Environmental Defense Fund	Environmental	Peress J., Naim	Stein, Elizabeth	Karas , Natalie	Murphy , Erin				
Natural Resources Defense Council	Environmental Environmental	Howe, Cullen	Morris, Jackson Valova , Radina	De Costanzo , Donna Howe , Cullen					
PACE Energy & Climate Center Riverkeeper	Environmental	Hart , Craig Webster , Richard	Morris, Jackson	nowe, Culleli					
AES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswarmy , Kiran						
Able Grid Energy Solutions, Inc.	Non Voting	Lines, Sam	Mills, Sara						
Acadia Center	Non Voting	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 Bruce Power	Non Voting Non Voting	Kramek , Mike Jain , Anshul	Meyer, Sandra						
CPower	Non Voting	Dotson-Westphalen , Peter	Hourihan, Michael	Damaskos, Deno	Campbell, Bruce				
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	Kemp , Melissa	Eskew, Ollivia	Kohlstedt, Kevin					
Ecesis LLC	Non Voting	Wu , Brian							
Energya VM	Non Voting	Garcia, Francisco	Maeso, Manual	Lopez , Ana	Corvillo, Cristina				
Fluent Energy	Non Voting	Acampora, Peter	Doll , Ed						
GI Energy	Non Voting	Falcier, Peter	Robinson, James						
Highview Power Storage, Inc.	Non Voting Non Voting	Riley , Richard Radigan, Frank	Minopoli , Salvatore Canfield, Richard						
Hudson River Energy Group									

e6	Alternate7	Proxy	Guest
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Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Α
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			
NuEnergen	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			

6	Alternate7	Proxy	Guest	