

NYISO Business Issues Committee Meeting Minutes
September 13, 2016
10:05 a.m. – 11:00 a.m.

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

Mr. Chris LaRoe (Brookfield) called the meeting to order at 10:05 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. Approval of BIC Minutes

There were no comments or questions regarding the draft minutes for the August 17, 2016 meeting that were included with the meeting material.

Motion #1:

Motion to approve the August 17, 2016 meeting minutes.

Motion passed unanimously.

3. Market Operations Report

Mr. Michael DeSocio (NYISO) reviewed the market operations report included with the meeting material. There were no comments or questions.

4. Broader Regional Markets Report

Mr. DeSocio reviewed the report included with the meeting material. Mr. Mike Kramek (Boston Energy Trading & Marketing) asked if there was a schedule for the Con Ed/PSEG Wheel proposal. Mr. DeSocio explained currently the plan is to take the proposal to BIC in November or December. Mr. Howard Fromer (PSEG) asked if the proposal has to be approved by both NYISO and PJM. Mr. DeSocio stated PJM will file JOA updates in concurrence with the NYISO. Mr. Fromer asked what would happen if there wasn't agreement. Mr. DeSocio said we would have to file something at FERC because there are no guidelines on how to model the phase angle regulators after expiration of the wheel agreements.

5. ICAP Manual Updates (other than BTM:NG)

Mr. Joseph Nieminski (NYISO) reviewed the presentation included with the meeting material. Mr. Scott Leuthauser (HQUS) requested clarification regarding the proposed changes to Section 4.9.3. Mr. Nieminski clarified that the requirement to provide MIS transaction IDs for wheel through transactions is not a change to current procedures.

Motion #2:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Installed Capacity Manual as at the BIC meeting on this date.

Motion passed unanimously with abstentions.

6. Proposed ICAP Manual Changes for BTM:NG

Mr. Zach T. Smith (NYISO) reviewed the presentation included with the meeting material. Mr. Mark Younger (Hudson Energy Economics) requested clarification on how capacity reserve requirements are

accounted for in determining the capacity value of a BTM:NG resource. Mr. Smith stated that capacity reserve requirements are accounted for as part of the Average Coincident Host Load (ACHL) of the resource.

Motion #3:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Installed Capacity Manual as described in the presentation and accompanying materials made to the BIC on this date; provided, however, that these Installed Capacity Manual changes shall only become effective on the day after the effective date for all of the Behind-the-Meter Net Generation tariff revisions accepted by the Federal Energy Regulatory Commission on May 17, 2016.

Motion passed unanimously with abstentions

6. Ancillary Services Manual Updates for BTM:NG

Mr. Padam Singh (NYISO) reviewed the presentation included with the meeting material.

Motion #4:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Ancillary Services Manual as described in the presentation and accompanying materials made to the BIC on this date; provided, however, that these Ancillary Services Manual changes shall only become effective on the day after the effective date for all of the Behind-the-Meter Net Generation tariff revisions accepted by the Federal Energy Regulatory Commission on May 17, 2016.

Motion passed unanimously with abstentions.

8. Revenue Metering Requirements Manual Updates

Mr. James Pigeon (NYISO) reviewed the presentation included with the meeting material.

Motion #5:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Revenue Metering Requirements Manual as described in the presentation and accompanying materials made to the BIC on this date; provided, however, that these Revenue Metering Requirements Manual changes shall only become effective on the day after the effective date for all of the Behind-the-Meter Net Generation tariff revisions accepted by the Federal Energy Regulatory Commission on May 17, 2016.

Motion passed unanimously with abstentions.

9. Hybrid GT Pricing Improvements

Mr. Ethan Avallone (NYISO) reviewed the presentation included with the meeting material. Mr. Younger requested the NYISO provide a list of the out of merit types that are not eligible to set price as part of the materials to be presented at the Management Committee.

Motion #6:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Market Administration and Control Area Services Tariff (MST) related to the Hybrid GT Pricing Improvements proposal, as more fully described in the presentation entitled "Hybrid GT Pricing Improvements" made to the BIC on September 13, 2016.

Motion passed unanimously with abstentions.

10. Working Group Updates

BAWG – Mr. Norman Mah (Con Ed Solutions) reported that the BAWG did not meet since the last BIC meeting.

CPWG – Mr. Mah reported that the CPWG did not meet since the last BIC meeting.

ESPWG – Mr. Scott Butler (Con Edison) reported that since the last BIC meeting, the ESPWG has reviewed the draft RNA, met jointly with other working groups to review the RMR compliance filing, as well as the Order 1000 compliance filing that was recently submitted by the NYISO to FERC.

ICAPWG – Mr. Liam Baker (EasternGen) reported that the ICAPWG has reviewed the treatment of capacity exports from Localities, the escalation and inflation factors for capacity market mitigation rules, enhancement of pivotal supplier rules and alternatives for determining LCRs. He also stated oral presentations to the NYISO Board of Directors on the ICAP Demand Curve reset will take place on October 17, 2016.

IPTF – The group did not meet since the last BIC meeting.

LFTF – The group did not meet since the last BIC meeting.

MIWG – Mr. Bob Boyle (NYPA) reported the group reviewed the Con Ed/PSEG Wheel proposal, meter data reporting requirements for BTM:NG resources, the DER Roadmap, Hybrid GT Pricing Improvements, the Quarterly State of the Market Report and manual revisions related to Comprehensive Scarcity Pricing.

PRWLG – Mr. Tim Lundin (NYPA) reported the group met with MIWG to discuss the DER Roadmap.

EGCWG – The group did not meet since the last BIC meeting.

5. New Business

There was no new business.

Meeting adjourned at 11:00 a.m.

Business Issues Committee
September 13, 2016 Meeting
Final Motions

Motion #1:

Motion to approve the August 17, 2016 BIC Minutes.

Motion passed unanimously.

Motion #2:

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Motion passed unanimously with abstentions.

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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 - September 13, 2016 - 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						
CPV Valley LLC	Generation Owners	Litchfield, Matt	Rumsey, Tom								
Calpine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve						
Cricket Valley Energy Center	Generation Owners	De Meyere, Bob	Wallenstein, Arnold	Paryl, Ron							
EDP Renewables North America LLC	Generation Owners	Brodbeck, John	Kaplan, Seth	Grimes, Mike	Nemeth, Jeffrey	Dictor, Stephen					
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	Lee, Tina	Franzetti, Paul						
Entergy Nuclear Northeast	Generation Owners	Potkin, Marc	Dell Orto, Ken	Saia, Doreen	Bergeron, John						
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	Ma, Alex	Goldstein, Michael	Orzel, Chris							
National Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
Noble Environmental Power LLC	Generation Owners	Silton, Harry									
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan, James								
Somerset Operating Company, LLC	Generation Owners	Evanoski, Dave	Goodenough, Jeery	McManus, John							
TC Ravenswood, Inc.	Generation Owners	Taylor, William	DAndrea, James	Congel, Dan	Hachey, Mike					✓Younger, Mark	
BJ Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
BP Energy Company	Other Suppliers	✓Briscoe, Judy	Magruder, Kathy								
BlueRock Energy, Inc.	Other Suppliers	Nichols, Jim	Yeager, Keith	VanHorne, Phil	Graham, Tammy						
Brookfield Energy Marketing L.P.	Other Suppliers	✓LaRoe, Chris	Mitreski, Aleksandar	Mitelman, Rimma	Dallaire, Eric						
CPower	Other Suppliers	Markham, Craig	Lacey, Frank	Damaskos, Deno	Lawrence, David						
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	McCartney, Glen	Wentlent, Chris	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	Kuo, David					
DTE Energy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	German, Robert							
Direct Energy Business Marketing, LLC	Other Suppliers	Philips, Marjorie	Comstock, Read								
Dynegy Marketing and Trade	Other Suppliers	Roby, Rick	Ellis, Dean	Ziegler, Pete							
EDF Trading North America, LLC	Other Suppliers	Erbrick, Michael	LeForce, Randall								
EnerNoc	Other Suppliers	Brewster, David	Breidenbaugh, Aaron	Geller, Greg							
Energy Spectrum	Other Suppliers	David, Gary	Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas, Cristina	Cinadr, Matt		
Energy Technology Savings	Other Suppliers	Hendler, Jeff	Ross, Valerie								
EnergyConnect	Other Suppliers	Campbell, Bruce	Davis, Robert	Lawrence, David							
Exelon Generating Co. LLC	Other Suppliers	Kirk, Steven	Wentlent, Chris								✓Lyons, Chris
GDF Suez Energy NA, Inc.	Other Suppliers	Levine, Jeffrey	Hawkins, Darin	Campbell, Chad							
Galt Power	Other Suppliers	Fernands, Rochelle	✓Ackerman, Alan								
HQ Energy Services US	Other Suppliers	✓Plante, Matthieu	✓Leuthauser, Scott	Vennes, Yannick							
Innoventive Power	Other Suppliers	Gruber, Craig	Halford, Steve								
Integrus Energy Services of New York, Inc	Other Suppliers	Haugh, Michael									
Lyonsdale Biomass, LLC	Other Suppliers	Ralston, William	Hebel, Nathan	✓Carrigan, Kathleen							
Mercuria Energy America, Inc.	Other Suppliers	Davis, Andrew	✓Younger, Mark								
Morgan Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							
NRG Power Marketing Inc.	Other Suppliers	✓Joseph, Kelli	Fuller, Peter	Cona, Lisa							
NextEra Energy	Other Suppliers	Applebaum, David	Gardner, Michelle								
Noble Americas Gas & Power Corp.	Other Suppliers	Boston, Roy	Kyle, Chris	✓Sunga, Leonard							
Ontario Power Generation, Inc.	Other Suppliers	Lacivita, Ken	✓Gell, Richard	Barr, David	Sheinfield, Joel						
PSEG Energy Resource & Trade, LLC	Other Suppliers	✓Fromer, Howard	DePillo, Raymond	Messmer, Robert	Murawski, James						
Powerex Corporation	Other Suppliers	Tang, Glen	Dion, Julien	Fichten, Murray							
Repsol Energy North America Corporation	Other Suppliers	Moreton, Samuel	Horvath, Peter								
Riverbay Corporation	Other Suppliers	Merola, Peter	Ellison, Noel	Ahrens, David	Villegas, Cristina						
SESCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt									
Talen Energy	Other Suppliers	Hyzinski, Tom	Greening, Michele							✓Carrigan, Kathleen	
TransCanada Power Marketing, Ltd.	Other Suppliers	Taylor, William	D'Andrea, James	Congel, Dan	Hachey, Mike						
U.S. Power Generating Co.	Other Suppliers	✓Baker, Liam	Reese, John	✓Younger, Mark	✓Schwall, Matthew	Johnson, David	Wolcott, Tyler				
Viridity Energy, Inc.	Other Suppliers	Freifeld, Allen									
Vitol Inc.	Other Suppliers	Wadsworth, Joe	Viola, Bob	Kam, Kenney							

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Fluent Energy	Non Voting	Acampora , Peter	Doll , Ed								
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								
Iberdrola Renewables Inc	Non Voting	Allen, Thresa									
Innovari, Inc.	Non Voting	Lunt , Robin	Hodges , Brent								
MAG Energy Solutions, Inc.	Non Voting	Pelletier , Simon	Vezina, Alexandre								
NRG Curtailment Solutions, Inc.	Non Voting	Pieniasek, Marie	Scheiderich , Jim	Lynch, Stephen	Korczykowski , Jim						
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	DeVinney, Dan									
New York Transco	Non Voting	Nachmias, Stuart	Hitti , Nabil	Allen , Richard	✓ Carrigan , Kathleen						
Noble Americas Energy Solutions	Non Voting	Sun , Jung Suk	Nakhonthap , Jade	✓ Sunga , Leonard							
Northeast Clean Heat & Power Initiative	Non Voting	De Veer , Henrietta	Lilian , Jon	Dwyer , Herb	Brown, Ruben	Cinadr , Matt	Martin , Nicholas	Villegas , Cristina			
NuErgen	Non Voting	Hamilton , Sandy	Korczykowski , Ryan								
Orthogonal Energy, LLC	Non Voting	Kudryavtseva , Viktoriya	Roch , Grant								
Power Supply Services LLC	Non Voting	Phillips , Gabriel	Abend , Erik								
RBC Energy Services, LP	Non Voting	Burnham , Steve	Fraiture , Christian	Doolittle , Robin							
RENEW Northeast	Non Voting	Pullaro , Francis	Krich , Abigail								
RES Americas, Inc.	Non Voting	Fernandes , John	Boyd , Dan								
Red Wolf Energy Trading, LLC	Non Voting	Sharma , Rishi									
Richard P. Felak	Non Voting	Felak, Rich									
Saracen Energy East LP	Non Voting	Peebles , Andy									
Siemens Energy, Inc.	Non Voting	Feltes , James									
SolarCity Corporation	Non Voting	Watson , Betty	Khan , Jamil	Reinhardt , Jessica							
Stephentown Spindle, LLC	Non Voting	Hebert , Chris									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page , Allan								
Tesla Motors, Inc.	Non Voting	Burson , Kate	Van Cleve , Sarah								
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis , Ted									
Transmission Developers Inc.	Non Voting	Jessome , Donald	Helmer , William								
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					

NYISO Employees

Pigeon, James

Niazi, Tariq

DeSocio, Michael

Avallone, Ethan

Smith, Zachary T.

Singh, Padam

Nieminski, Joe

Bissell, Garrett

Eckels, Debbie

Dixon, Kirk