

NYISO Business Issues Committee Meeting Minutes**July 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 June 15, 2016 meeting that were included with the meeting material.

Motion #1:

Motion to approve the June 15, 2016 meeting minutes.

Motion passed unanimously.

3. Market Operations Report

Ms. Nicole Bouchez (NYISO) reviewed the market operations report included with the meeting material. There were no comments or questions.

4. Broader Regional Markets Report

Ms. Bouchez reviewed the report included with the meeting material. Mr. Howard Fromer (PSEG) asked for detail on the Con Ed/PSEG Wheel white paper, Ms. Bouchez explained it would be provided as soon as possible.

5. Planning Update

Mr. Dana Walters (NYISO) reported the ESPWG reviewed the first draft of the RNA results and the Clean Power Plan, he noted the CARIS 1 presentation would be covered later on the agenda.

6. Updating and Extending the CARIS 1 Database

Mr. Tim Duffy (NYISO) reviewed the presentation included with the meeting material. Mr. Scott Butler (Con Ed) requested that the NYISO post spreadsheets containing its fuel price and emissions allowance assumptions and the LBMP outputs from the analysis in the Planning section of the NYISO website. Mr. Duffy agreed to do so. Mr. Butler noted that Con Edison does not agree with the NYISO's gas price forecast and believes that the inclusion of the projects proposed in 2 on-going public policy processes would have a significant impact on the CARIS 2 results. He asked Mr. Duffy whether there was a possibility that the economic planning process and the public policy processes could come into conflict. Mr. Duffy responded that the CARIS 2 database can be updated as the public policy processes advance.

Mr. Fromer asked if the database can be used in the Demand Curve Reset, Mr. Duffy replied that it can.

7. DAMAP Enhancements

Ms. Jennifer Boyle (NYISO) reviewed the presentation included with the meeting material. There were no comments or questions.

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 (MST) related to the DAMAP Enhancements proposal, as more fully described in the “DAMAP Enhancements” presentation made to the BIC on July 13, 2016.

Motion passed unanimously.

8. Working Group Updates

BAWG – Mr. Norman Mah (Con Ed Solutions) reported that the BAWG met on June 20 and reviewed the grid accounting reports. They also reviewed the Sub Account proposal.

CPWG – Mr. Mah reported that the CPWG did not meet.

ESPWG – Mr. Scott Butler (Con Edison) reported the ESPWG has met twice since the last BIC/OC meeting.

The NYISO has posted a draft of the 2016 Reliability Needs Assessment report and provided an overview of the study’s preliminary base case results. The NYISO found no resource adequacy deficiencies during the 10-year study period, but found 13 transmission security issues, principally in Western NY. The report will be updated later this summer to reflect the impact of LTP updates that were submitted in early July by Transmission Owners. Sensitivity scenario results will also be discussed at ESPWG.

The NYISO released the preliminary results of its CARIS 2 analysis. The analysis shows that congestion forecasts have fallen since last year’s CARIS 1 study. Those results were discussed earlier at BIC today/yesterday.

The NYISO also shared the preliminary results of Phase 1 of its Clean Power Plan study, which looks at the cost and effectiveness of different combinations of renewable, nuclear and fossil generation in meeting potential CPP, RGGI and ozone regulation emissions goals. Phase 2, which will be released later this year, will evaluate whether the same portfolios of generation will have sufficient ramping, voltage support, and frequency response capability.

ICAPWG – Mr. Liam Baker (EasternGen) reported that the ICAPWG has been working on the ICAP Demand Curve reset, and also reviewed Forecast Enhancements in the Buyer-side Mitigation Rules.

IPTF – The group did not meet.

LFTF – The group did not meet.

MIWG – Mr. Bob Boyle (NYPA) reported the group has reviewed DAMAP Enhancements, Lake Erie Loop Flow Modifications, the autumn 2016 TCC Auction Survey and reviewed the Quarterly State of the Market Report. The group also met with the PRLWG to discuss the DER Roadmap.

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

EGCWG – The group did not meet.

5. New Business

There was no new business.

Meeting adjourned at 11:00 a.m.

Business Issues Committee Meeting
July 13, 2016
Final Motions

Motion #1:

Motion to approve the June 15, 2016 BIC Minutes.

Motion passed unanimously.

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 (MST) related to the DAMAP Enhancements proposal, as more fully described in the “DAMAP Enhancements” presentation made to the BIC on July 13, 2016.

Motion passed unanimously.

New York Independent System Operator - Committee Membership

Business Issues Committee - July 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	Logan, Kathy	Potkin, Marc	✓Saia, Doreen	Del Orto, Ken						
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						
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	Sears, Deborah	Wentlent, Chris	Kirk, Steven							
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	Bernier, Luc	Leuthauser, Scott	Vennes, Yannick	✓Plante, Matthieu						
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								
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
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	Pieniazek, 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 , Jungsuk	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			
NuEnergen	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									
Stephentown Spindle, LLC	Non Voting	Hebert , Chris									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page , Allan								
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

Brown, Christopher

Keegan, Sara

Bissell, Garrett

Duffy, Timothy

Walters, Dana

Bouchez, Nicole

Boyle, Jennifer

Eckels, Debbie

Dixon, Kirk