Business Issues Committee Meeting

October 11, 2017 Final Motions

Motion #1:

Motion to approve the September 12, 2017 meeting minutes.

Motion passed unanimously.

Motion #2a:

Motion to amend motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to the NYISO's Market Administration and Control Area Services Tariff and Open Access Transmission Tariff as described in the tariff revisions accompanying the presentation entitled "Inverter-Based Technology Providing Ancillary Services – Tariff and Manual Revisions," made at the October 11, 2017 BIC meeting (the "October 11 Presentation").

The BIC further approves the revisions to the NYISO's Ancillary Services Manual as described in the manual revisions accompanying the October 11 Presentation made to the BIC which shall only take effect upon approval of the associated Tariff revisions by FERC.

Motion passed unanimously.

Motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to the NYISO's Market Administration and Control Area Services Tariff and Open Access Transmission Tariff as described in the tariff revisions accompanying the presentation entitled "Inverter-Based Technology Providing Ancillary Services – Tariff and Manual Revisions," made at the October 11, 2017 BIC meeting (the "October 11 Presentation").

The BIC further approves the revisions to the NYISO's Ancillary Services Manual as described in the manual revisions accompanying the October 11 Presentation made to the BIC which shall only take effect upon approval of the associated Tariff revisions by FERC.

Motion passed unanimously.

Motion #3:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to the NYISO's Market Administration and Control Area Services Tariff ("Services Tariff") as more fully described in the "Fuel Cost Adjustments and Min Oil Burn Compensation Program" presentation made to the BIC on October 11, 2017.

Motion passed unanimously.

New York Independent System Operator - Committee Membership

Business Issues Committee - October 11, 2017 - 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					,	-
Bayonne Energy Center, LLC	Generation Owners	Allman, Ellen	Yang, Sue								
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	Nemeth , Jeffrey	High , Jeremy						
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	Lee, Tina	Franzetti, Paul						
Entergy Nuclear Northeast	Generation Owners	Dell Orto , Ken	✓ Saia, Doreen	Bergeron, John							
Helix Ravenswood LLC	Generation Owners	D'Andrea , James	Kline, Marc	DiBari , Dominic							
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	Pakula , Maggie	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							
BJ Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
BP Energy Company	Other Suppliers	Briscoe , Judy	Magruder, Kathy								
BioUrja Power, LLC	Other Suppliers	Moore, Cody	Ward, Roxie	77 17 DI 1							
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	Dotson-Westphalen , Peter	Hourihan, Michael	Damaskos , Deno	Campbell , Bruce						
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	Wentlent, Chris	Kirk, Steven								
Cross Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose	T . M .d	NC11 C 1	, , , , , , , , , , , , , , , , , , ,					
DC Energy	Other Suppliers	Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
DTE Energy Direct Energy Business Marketing, LLC	Other Suppliers Other Suppliers	Pakela, Gregory Philips, Marjorie	Wieszczyk, Raymond Comstock, Read	German, Robert							
Dynegy Marketing and Trade	Other Suppliers	Roby, Rick	Ellis, Dean	Ziegler , Pete							
EDF Trading North America, LLC	Other Suppliers	Erbrick , Michael	LeForce , Randall	Ziegiei , i etc							
Eastern Generation	Other Suppliers	Baker, Liam	Reese, John	✓Younger, Mark	✓ Schwall , Matthew	Johnson, David	Wolcott, Tyler				
EnerNoc	Other Suppliers	Brewster, David	Geller, Greg	- Tourgot, mark	- Somman, mannew	Johnson , David					
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			,	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	,,		
Exelon Generating Co. LLC	Other Suppliers	Wentlent, Chris	Kirk, Steven								
GDF Suez Energy NA, Inc.	Other Suppliers	Levine, Jeffrey	Hawkins , Darin	Campbell, Chad							
Galt Power	Other Suppliers		✓ Ackerman, Alan								
HQ Energy Services US	Other Suppliers		✓ Leuthauser, Scott	Guilbault, Louis							
Innoventive Power	Other Suppliers	Gruber , Craig	Halford, Steve	,							
Lyonsdale Biomass, LLC	Other Suppliers	Ralston , William	Hebel, Nathan	Carrigan , Kathleen							
Mercuria Energy America, Inc.	Other Suppliers		✓Younger, Mark	<i>y</i> ,							
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							
New York Transco	Other Suppliers	Nachmias, Stuart	Hitti , Nabil	Caso , Rob	Carrigan , Kathleen	Dumais , Paul					
NextEra Energy	Other Suppliers	Applebaum, David	Gardner, Michelle	Gibelli , Stephen	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,					
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						
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	Hohenshilt, Jennifer	Labella , Julie	Kershner, Zane	Klicker, Owen						
TransCanada Power Marketing, Ltd.	Other Suppliers	Cahill , Paul	Schuler, Richard	Murphy , Tonya							
Viridity Energy, Inc.	Other Suppliers	Freifeld, Allen									
Vitol Inc.	Other Suppliers	Wadsworth, Joe	Viola, Bob	Kam, Kenney							
XO Energy NY, LP	Other Suppliers	Drangula, Carey	Thompson , Matthew	Hughes, Adam							

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Central Hudson Gas & Electric Corp.	Transmission Owners	Borchert , John	Chan, Ting	May , Jeff	Dittmann, David						
Consolidated Edison Co. of NY, Inc.	Transmission Owners	Quin , Jane	Nachmias, Stuart	✓Butler , Scott	Hargett , Chris	Butterklee, Neil					
National Grid	Transmission Owners	✓Janzen , Margaret	Lodemore, David	✓Carron, Benjamin							
New York State Electric & Gas (NYSEG)	Transmission Owners	✓Caletka, Patricia	Kinney, Ray	Brophy , Richard							
Orange & Rockland Utilities, Inc.	Transmission Owners										İ
Rochester Gas and Electric Corp.	Transmission Owners	✓Caletka, Patricia	Kinney, Ray	Brophy , Richard							
Alcoa, Inc.	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	Lang, Kevin						į
IBM Corporation	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	Lang, Kevin						
Nucor Steel Auburn, Inc.	Large Consumer	Brew , James	Radigan, Frank	Kopon, Owen							
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	Morris, Jackson	Hepinstall, David	Strauss , Valerie							
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	Kordonis , Dimitrios	Zimmerman , Michael						
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	Coup, David	Mas , Carl	Wilcox , James	Matteson , Schuyler					
Long Island Power Authority	State Power Authorities	✓Clarke, Dave	✓ Wilczek , Mariann								
New York Power Authority	State Power Authorities	✓Antinori , Andrew	Boyle, Bob	Lundin, Tim	✓ Mahoney , Daniel						
Bath Electric, Gas & Water Systems	Municipalities and Coops	Hallgren, Guy	Bolbrock, Richard	Cordeiro, Mark							
Freeport Electric	Municipalities and Coops	Livingston , Al	Kimlingen, Ted	✓ Rudebusch, Tom	Fiore, Chris						
amestown Board of Public Utilities	Municipalities and Coops	Gustafson, David	Leathers, David	Kulig, Steve	✓Rudebusch, Tom	Sellstrom , Kris					
Lake Placid Village	Municipalities and Coops	Kroha, Peter	Bolbrock, Richard	Cordeiro, Mark							
Municipal Commission of Boonville	Municipalities and Coops	Stabb, Kenneth	Bolbrock, Richard	Cordeiro, Mark							
Plattsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	Bolbrock, Richard	Cordeiro, Mark							
Village of Arcade	Municipalities and Coops	Kilburn, Larry	Bolbrock, Richard	Cordeiro, Mark							
Village of Fairport	Municipalities and Coops	Hegarty, Matt	Bolbrock, Richard	Cordeiro, Mark							
Village of Rockville Centre	Municipalities and Coops	Andreas , Philip	Cardile , Thomas	Rudebusch, Tom							
Village of Solvay	Municipalities and Coops	Hawksby , Joe	Bolbrock, Richard	Cordeiro, Mark							
Village of Westfield	Municipalities and Coops	Thompson , Andrew	Bolbrock, Richard	Cordeiro, Mark							
American Lung Association American Wind Energy Association	Environmental	Epstein , Roni Reynolds , Anne	Seilback, Michaek Gramlich, Robert	Morris, Jackson Beck , Betsy	Carrier Michael	Cala Andrew	Correct Correct				
Environmental Advocates	Environmental Environmental	Bambrick , Conor	Epstein , Roni	Morris, Jackson	Goggin , Michael	Gohn , Andrew	Grace, Gene				
Environmental Defense Fund	Environmental	Christian , Rory	Stein , Elizabeth	Worris, Jackson							
Natural Resources Defense Council	Environmental	_		Viswanathan@nrdc.org,							
		Farmer, Miles	Morris, Jackson	Kala							
PACE Energy & Climate Center	Environmental	Martin , Nicholas	Valova, Radina	Farmer, Miles							
Riverkeeper	Environmental	Gallay, Paul	Jones , Abigail	Doran , Erin							
AEP On-Site Partners, LLC	Non Voting	Jansen , Joel	Kakodkar , Guatam								
AES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswarmy , Kiran			1					
Acadia Center Acadia Energy Corporation	Non Voting Non Voting	Howland , Jamie Rappaport , Jason	Malone , Leslie Bay , John								
Advanced Energy Economy, Inc.	Non Voting Non Voting	Kappaport , Jason Katofsky , Ryan	Waggoner, Danny								
Advanced Energy Economy, Inc. Advanced Migrogrid Solutions, Inc.	Non Voting	Jackson , Mike	Yamout, Manal								
Alliance for Clean Energy New York	Non Voting	Reynolds , Anne	Dufresne, Zach								
Anbaric Northeast Transmission Development Co.	Non Voting	Sanderson , Barry									
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									
Boston Energy Marketing & Trading	Non Voting	Kramek, Mike									
Bruce Power	Non Voting	Viswanathan , Samira	Meyer, Sandra								
Caithness Energy LLC	Non Voting	Keevill, Gary	Alvarez , Asavari	Garber, Mitchell							
Calpine Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	Sunga, Leonard							1
Canandaigua Power Partners, LLC	Non Voting	Keene, John	Gaddes, Caleb								
Chesapeake Trading Group, LLC	Non Voting	Staska, Stephanie	Hocker, Geoff								
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	Hyte, Noah	Salehian, Afshin								

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
emand Energy Networks	Non Voting	Staker , Doug	Cook-Coyle , Jeff								
arth Networks	Non Voting	Crawford, Jaden									
nergya VM	Non Voting	Garcia, Francisco	Maeso, Manual	Lopez, Ana	Silveira, Juan						
luent Energy	Non Voting	Acampora , Peter	Doll , Ed								
Iudson River Energy Group	Non Voting	Radigan, Frank	Canfield, Richard								
ydro-Quebec TransEnergie	Non Voting	Prevost, Michel									
C Mid-Atlantic Development LLC	Non Voting	Wrenbeck, Tom	Benedict, Nathan								
erdrola Renewables Inc	Non Voting	Allen, Thresa									
novari, Inc.	Non Voting	Lunt, Robin	Hodges, Brent								
stitute for Policy Integrity at NYU School of Law	v Non Voting	Unel, Burcin	Noll, Bethany								
ey Capture Energy	Non Voting	Fitzgerald, Dan	Bishop , Jeff								[
AG Energy Solutions, Inc.	Non Voting	Pelletier, Simon	Vezina, Alexandre								
RG Curtailment Solutions, Inc.	Non Voting	Popova , Julia	Ainspan, Malcolm	Pieniazek, Marie							
Y-BEST Consortium	Non Voting	Acker, William	Sheehan, Denise								
YS Department of Public Service	Non Voting	Paynter , Thomas	✓Evans , Adam								
ational Fuel Gas Distribution Corporation	Non Voting	Novak, Michael	Eck, Robert								
ew Athens Generating Co. LLC	Non Voting	DeVinney, Dan									
ortheast Clean Heat & Power Initiative	Non Voting	Venkataraman, Sree	Lilian , Jon	Dwyer, Herb	Brown, Ruben	Cinadr , Matt	Martin , Nicholas	Villegas, Cristina			
orthline Utilities LLC	Non Voting	McKinney , Jeff	Danskin, Susan								
uEnergen	Non Voting	Hamilton, Sandy	Korczykowski, Ryan								
ower Supply Services LLC	Non Voting	Phillips, Gabriel	✓ Abend, Erik								
BC Energy Services, LP	Non Voting	Burnham , Steve	Fraiture, Christian	Doolittle, Robin							
ENEW Northeast	Non Voting	Pullaro, Francis	Krich, Abigail			İ					İ
ES Americas, Inc.	Non Voting	Fernandes, John	Boyd , Dan								
ed Wolf Energy Trading, LLC	Non Voting	Sharma, Rishi									
chard P. Felak	Non Voting	Felak, Rich									
EM, Inc.	Non Voting	Ko , Ted									
racen Energy East LP	Non Voting	Peebles , Andy									
emens Energy, Inc.	Non Voting	Feltes, James									
larCity Corporation	Non Voting	Watson, Betty	Khan, Jamil	Reinhardt, Jessica							
ephentown Spindle, LLC	Non Voting	Hebert, Chris									
ylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page, Allan								
sla Motors, Inc.	Non Voting	Burson, Kate	Van Cleve, Sarah								
ansAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis, Ted									
ansmission Developers Inc.	Non Voting	Jessome , Donald	Helmer, William	Dave , Suresh							
ransource New York, LLC	Non Voting	Burkholder, Joshua									
Villiam P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					

NYISO Employees

Stalter, Ray

Bub, John

Shelton, Nick

Noriega, Daniel

Bissell, Garrett

DeSocio, Michael

Dixon, Kirk Eckels, Debbie