

Energy Market Uplift Senior Task Force
PJM Conference and Training Center
April 1, 2015
9:00 a.m. – 3:00 p.m. EPT

Administration

1. Mr. Dave Anders opened the meeting and reviewed the agenda.
2. Ms. Cheryl Mae Velasco performed roll call, reviewed the meeting guidelines, and reviewed the draft meeting minutes. Minutes were approved and will be posted as final.

Review Open Action Items

Mr. Anders reviewed the remaining open action items from Phases 1 and 2. No further updates were made.

MISO Analysis Review

Mr. Kevin Vannoy, MISO, provided an overview of the different analyses that MISO performed in regards to their RSG (Revenue Sufficiency Guarantee) construct, which is their version of uplift. MISO filed several analyses with FERC, with a mixture of responses. FERC determined that a precise cost causation analysis was difficult if not impossible to determine. MISO took the approach of selecting a rate structure, evaluating (back-casting) the rate impacts, then evaluating if the design was allocating charges appropriately. RSG underwent a redesign in April 2011.

PJM Cost Analysis

Mr. Adam Keech stated that upon careful consideration, PJM will not be performing any sort of regression or cost correlation analysis. As was previously stated, there is no analysis that can be done to determine a discreet causality. Participants expressed their concerns with the decision to not move forward with an analysis, stating that it would be difficult to support a package without knowing the effects it would have on uplift. PJM supported performing a back-casting of rates analysis, however there are far too many proposals currently being considered to make the analysis feasible. PJM proposed to send out a poll to determine the top three Phase 2 packages to perform a back-casting of rates analysis. The poll is planned to be sent out before the next meeting. Once the proposals are selected and the analysis is completed, PJM will determine the best course of action to move forward.

The matrix review was naturally discussed during the cost analysis segment of the agenda. Members were encouraged to provide any edits or present any additional packages if they wish.

CT Lost Opportunity Cost

As directed by the Markets and Reliability Committee, the group was asked to further discuss the CT lost opportunity cost proposal that was previously endorsed at the February 25th EMUSTF meeting. Members expressed concern regarding the additional language limiting the LOC to units that have a two hour or less start up and notification time and a two hour or less minimum run time. Questions arose regarding units

that have longer than two hour minimum run times and having to self-schedule if they are not called on to run in real time since they will no longer be receiving LOC payments. In this case, these units will be expected to run in real time, unless PJM advises them not to due to reliability reasons. If a unit is asked not to come online due to reliability, not economics, then the unit will be eligible for LOC payments. Members requested that this issue be discussed further at the April 7, 2015 Operating Committee meeting and again at the April 17, 2015 EMUSTF meeting.

In Attendance (In Person):

Allen, Wesley	Red Wolf Energy Trading, LLC	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Benchek, Jim	FirstEnergy Solutions Corporation	Transmission Owner
Borgatti, Michael	Gable and Associates	Not Applicable
Brodbeck, John	Potomac Electric Power Company	Electric Distributor
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
Fuess, James	PBF Power Marketing LLC	Generation Owner
Griffiths, Dan	Consumer Advocates of PJM States	Not Applicable
Hagaman, Derek	GT Power Group	Transmission Owner
Herel, Suzanne	RTO Insider	None
Hughes, Adam	XO Energy MA, LP	Other Supplier
Jasani, Sachin	Red Wolf Energy Trading, LLC	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Miller, Jeff	XO Energy MA, LP	Other Supplier
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Saini, Ishwar	Macquarie Energy LLC	Other Supplier
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Sheehan, Shawn	XO Energy MA, LP	Other Supplier
Shparber, Steve	PJM Interconnection, LLC	Not Applicable
Skucas, Ruta	Pierce Atwood	Not Applicable
Stadmeyer, Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Weathers, Brian	PJM Interconnection, LLC	Not Applicable

In Attendance (Teleconference):

Bearden, Joel	XO Energy MA, LP	Other Supplier
Bernier, Luc	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Bolan, Martin	FirstEnergy Solutions Corporation	Transmission Owner
Budney, Dave	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Carro, Dan	Dominion Virginia Power	Not Applicable
Christian, Adam	Red Wolf Energy Trading, LLC	Other Supplier
Citrolo, John	PSEG Energy Resources and Trade LLC	Transmission Owner

Conn, Jeff
 Cox, Edward
 Cox, Bill
 Cox, Gregory
 Coyle, Billy
 Coyne, Suzanne
 Darby, Benjamin
 Day, Jason
 Dessender, Harry
 Drangula, Carey
 Eckes, Richard
 Engle, Andy
 Esposito, Patricia
 Farber, John
 Filomena, Guy
 Francoeur, Rene
 Gebolys, Debbie
 Gorman, Kevin
 Gouda, John
 Greening, Michele
 Hastings, David
 Haynes, Greg
 Herel, Suzanne
 Hoatson, Tom
 Hsia, Eric
 Hull, James
 Hyzinski, Tom
 Janicki, Diane
 Jones, Ed
 Jostworth, Kim
 Karuppannan, Amrish
 Kingston, Amber
 Knies, Heather
 Kohl, Lauren
 Kraemer, Neil
 Lacy, Catharine
 Levine, Jeffrey
 Lewis, Cara
 Logsdon, Josh
 Logsdon, Sebastian
 Lowe, Connie
 Luby, Callaghan
 Mariam, Yohannes
 Marton, David
 McAdams, Julius
 Metzler, Jakob
 Nivolianitis, Ted
 O'Connell, Robert
 Ondayko, Brock
 Owens, Christina
 Pachowka, Adam
 Pakela, Gregory
 Patel, Keyurbhai
 Patten, Kevin
 Peoples, John
 Picard, Serge
 Rajan, Abhijit
 Riding, M.Q.
 Robson, Matt

Acorn Energy Trading, LLC
 Appalachian Power Company
 Exion Energy, Inc.
 Solea Energy, LLC
 Dominion Virginia Power
 PJM Interconnection, LLC
 Lee River Proprietary Strategies, Inc.
 Oceanside Power, LLC
 Customized Energy Solutions, Ltd.*
 XO Energy MA, LP
 Exion Energy, Inc.
 XO Energy MA, LP
 Atlantic Grid Operations A, LLC
 DE Public Service Commission
 Customized Energy Solutions, Ltd.*
 Red Wolf Energy Trading, LLC
 Other
 Highlands Energy Group, LLC
 Old Dominion Electric Cooperative
 PPL EnergyPlus, L.L.C.
 Dhast Co
 Energy Authority, Inc. (The)
 N/A
 Riverside Generating, LLC
 PJM Interconnection, LLC
 Exion Energy, Inc.
 PPL EnergyPlus, L.L.C.
 Boston Energy Trading and Marketing LLC
 Monterey MA, LLC
 Trailstone Group
 Black Oak Energy, LLC
 North Carolina Electric Membership Corporation
 EDF Trading North America, LLC
 Monterey MA, LLC
 XO Energy MA, LP
 Dominion Virginia Power
 IPR-GDF SUEZ Energy Marketing NA, Inc.
 Public Service Electric & Gas Company
 Exion Energy, Inc.
 Exion Energy, Inc. (Sub 5)
 Dominion Virginia Power
 Trailstone Group
 Office of the Peoples Counsel for the District of Columbia
 FirstEnergy Solutions Corporation
 Red Wolf Energy Trading, LLC
 Castleton Commodities Merchant Trading L.P.
 TransAlta Energy Marketing (US) Inc. (Hudson)
 Main Line Electricity Market Consultants
 Appalachian Power Company
 North Carolina Electric Membership Corporation
 Monterey MA, LLC
 DTE Energy Trading, Inc
 PJM Interconnection, LLC
 Appalachian Power Company
 Duquesne Light Company
 Black Oak Energy, LLC
 Dominion Virginia Power
 Essential Power OPP, LLC
 SESCO Enterprises LLC

Other Supplier
 Transmission Owner
 Other Supplier
 Transmission Owner
 Not Applicable
 Not Applicable
 Other Supplier
 Other Supplier
 Not Applicable
 Other Supplier
 Not Applicable
 Other Supplier
 Not Applicable
 Other Supplier
 Not Applicable
 Other Supplier
 Not Applicable
 Other Supplier
 Electric Distributor
 Transmission Owner
 Not Applicable
 Other Supplier
 Not Applicable
 Other Supplier
 Transmission Owner
 Generation Owner
 Other Supplier
 Not Applicable
 Other Supplier
 Electric Distributor
 Other Supplier
 Other Supplier
 Other Supplier
 Not Applicable
 Other Supplier
 Transmission Owner
 Other Supplier
 None
 Not Applicable
 Not Applicable
 End User Customer
 Transmission Owner
 Other Supplier
 Other Supplier
 Other Supplier
 None
 Transmission Owner
 Electric Distributor
 Other Supplier
 Other Supplier
 Not Applicable
 Transmission Owner
 Transmission Owner
 Other Supplier
 Not Applicable
 Transmission Owner
 Other Supplier



Draft Meeting Minutes

Rogers, Steve
Rohrbach, John
Rosati, Nick
Shanker, Roy
Sillin, John
Slade, Louis
Smith, Rusty
Southard, Mark
Starkov, Stefan
Staska, Stephanie
Steele, Bob
Stewart, Travis
Suh, Jung
Tatum, Ed
Thompson, Matt
Thompson, Matthew
Treadwell, Albert
Vannoy, Kevin
Williams, Michael

Exion Energy, Inc.
Southern Maryland Electric Cooperative
Exion Energy, Inc. (Sub 2)
H.Q. Energy Services
FERC
Virginia Electric & Power Company
Solea Energy, LLC
Solea Energy, LLC
PJM Interconnection, LLC
Twin Cities Power, LLC
Acorn Energy Trading, LLC
Gable and Associates
Noble Americas Energy Solutions LLC
Old Dominion Electric Cooperative
XO Energy MA, LP
XO Energy MA, LP
Allegheny Electric Cooperative, Inc.
MISO
Black Oak Energy, LLC

Other Supplier
Electric Distributor
None
Other Supplier
Not Applicable
Transmission Owner
Other Supplier
Transmission Owner
Not Applicable
Other Supplier
Other Supplier
None
Other Supplier
Electric Distributor
Other Supplier
Other Supplier
Electric Distributor
Not Applicable
Other Supplier

Author: Cheryl Mae Velasco