

**Energy Market Uplift Senior Task Force**  
**PJM Conference and Training Center**  
**July 7, 2016**  
**9:00 a.m. – 12:00 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.

## Presentation by Dr. Hogan

At the request of the financial marketers coalition, Dr. William Hogan, Harvard University, presented his views on the role of virtual transactions in the competitive wholesale electricity markets. The topics covered included the benefits of virtual transactions, deviations and uplift allocations, and restrictions on virtual transactions, amongst others. Members were encouraged to ask questions to gain further understanding of the theories and how PJM's markets utilize these transactions.

## Phase 3 and 4 Matrices

The discussion around Dr. Hogan's presentation spanned the entirety of the meeting. Mr. Anders informed the task force that the remainder of the agenda would be covered at the next EMUSTF meeting.

## In Attendance (In Person):

Allen, Wesley	Red Wolf Energy Trading, LLC	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Bowring, Joe	Monitoring Analytics, LLC	Other Supplier
Chao, Hung-po	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Drangula, Carey	XO Energy MA, LP	Other Supplier
Engle, Andrew	XO Energy MA, LP	Other Supplier
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Francoeur, Rene	Red Wolf Energy Trading, LLC	Other Supplier
Giraldo, Juan	Monitoring Analytics, LLC	Not Applicable
Haas, Howard	Monitoring Analytics, LLC	Not Applicable
Hogan, William	Harvard University	Not Applicable
Hughes, Adam	XO Energy MA, LP	Other Supplier
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Mooney, Catherine	Monitoring Analytics, LLC	Not Applicable
O'Connell, Robert	Main Line Electricity Market Consultants	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Pope, Susan	FTI Consulting	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Shparber, Steven	PJM Interconnection, LLC	Not Applicable
Sidhom, Noha	Inertia Power	Other Supplier
Skucas, Ruta	Pierce Atwood	Not Applicable
Stevens, Andrew	DC Energy LLC	Other Supplier

Thompson, Matt  
Velasco, Cheryl Mae

XO Energy MA, LP  
PJM Interconnection, LLC

Other Supplier  
Not Applicable

## In Attendance (Teleconference):

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Bearden, Joel	XO Energy MA, LP	Other Supplier
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bernier, Luc	H.Q. Energy Services (U.S.), Inc.	Transmission Owner
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
BonnerES, Charles	Dominion Virginia Power	Not Applicable
Borgatti, Michael	Gabel and Associates	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Christian, Adam	Red Wolf Energy Trading, LLC	Other Supplier
Cockrell, Justin	DC Energy LLC	Other Supplier
Collins, Leonard	State of Delaware	Not Applicable
Cox, Bill	Exion Energy, Inc.	Other Supplier
Cox, EdwardP	Appalachian Power Company	Transmission Owner
Cox, Gregory	Dynasty Power Inc	Other Supplier
Coyle ES, Billy	Dominion Virginia Power	Not Applicable
Cummings, Bridgid	PJM Interconnection, LLC	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
davis, connie	City of Cleveland, DPU, Div of Cleveland Public Pwr	Electric Distributor
Day, Jason	Oceanside Power, LLC	Other Supplier
Demuyck, Rene	New Jersey Board of Public Utilities	Not Applicable
Dessender, Harry	Customized Energy Solutions, Ltd.*	Not Applicable
Dickson, Douglas	State of NJ Board of Public Utilities	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ela, Erik	EPRI	Not Applicable
Fields, William	Maryland Office of Peoples Counsel	End User Customer
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Goode, Cory	Yes Energy LLC	Not Applicable
Greening, Michele	Talen Energy Marketing, LLC	Generation Owner
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Hagaman, Derek	GT Power Group	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Heidorn, Rich	RTO Insider	Not Applicable
Heise, Randi	Dominion Virginia Power	Not Applicable
Hnatyshyn, Murray	Dynesty Energy Group LLC	Other Supplier
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	Talen Energy Marketing, LLC	Generation Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Jasani, Sachin	Red Wolf Energy Trading, LLC	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Jones, Ed	Monterey MA, LLC	Other Supplier
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Knies, Heather	EDF Trading North America, LLC	Other Supplier
Kohl, Lauren	Monterey MA, LLC	Other Supplier
kraemer, neil	XO Energy MA, LP	Other Supplier
Lind, Clarke	Powerex Corporation	Other Supplier



# Draft Meeting Minutes

Lowe, Connie  
Mabry, David  
Marton, David  
Midgley, Sharon  
Norton, Chris  
Ondayko, Brock  
Pakela, Greg  
Peoples, John  
Reeping, Bob  
Robson, Matt  
Rutigliano, Tom  
Sasser, Jonathan  
Schneider, Jon  
Scott, Chance  
Scott, Warren  
Shanker, Roy  
Sheehan, Kelli  
sheehan, shawn  
Starkov, Stefan  
Staska, Stephanie  
Sweeney, Rory  
Tacka, Natalie  
Trayers, Barry  
Ward, Michael  
Weiss, Glenn  
Yu, Joel

Dominion Virginia Power  
McNees Wallace & Nurick LLC  
FirstEnergy Solutions Corp.  
Exelon Business Services Company, LLC  
American Municipal Power, Inc.  
Appalachain Power Company  
DTE Energy Trading, Inc.  
Duquesne Light Company  
Ohio Edison Company  
SESCO Enterprises LLC  
Achieving Equilibrium LLC  
Customized Energy Solutions, Ltd.\*  
FirstEnergy Solutions Corp.  
Northern States Power Company  
Cahaya Power Marketing LLC  
H.Q. Energy Services (U.S.), Inc.  
XO Energy MA, LP  
XO Energy MA, LP  
PJM Interconnection, LLC  
Twin Cities Power, LLC  
RTO Insider  
PJM Interconnection, LLC  
Citigroup Energy, Inc.  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
Rockland Electric Company

Not Applicable  
Not Applicable  
Transmission Owner  
Transmission Owner  
Electric Distributor  
Transmission Owner  
Other Supplier  
Transmission Owner  
Transmission Owner  
Other Supplier  
Other Supplier  
Not Applicable  
Transmission Owner  
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Other Supplier  
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Not Applicable  
Transmission Owner

Author: Cheryl Mae Velasco