



## **North American Energy Standards Board**

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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### **NORTH AMERICAN ENERGY STANDARDS BOARD WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE MEETING MATERIALS**

**Tuesday, August 16, 2011 -- 10:00 am to 4:00 pm MT**

**El Paso Western Pipeline Offices, Colorado Springs, CO**



# North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
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**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING  
WHOLESALE ELECTRIC QUADRANT DRAFT AGENDA  
Tuesday, August 16, 2011 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO**

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	Adjourn	

*Attire – Business Casual*



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### NAESB ANTITRUST GUIDELINES STATEMENT

#### ANTITRUST GUIDELINES

- The following guidelines will be reviewed by counsel at the meeting. The meeting will be monitored, transcribed, and minutes will be taken. The guidelines are as follows:

Antitrust guidelines direct meeting participants to avoid discussion of topics or behavior that would result in anticompetitive behavior including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discriminations, division of markets, allocation of production, imposition of boycotts, and exclusive dealing arrangements.

Any views, opinions or positions presented or discussed by meeting participants are the views of the individual meeting participants and their organizations. Any such views, opinions or positions are not the views, positions or opinions of NAESB, the NAESB Board of Directors, or any NAESB Committee or Subcommittee, unless specifically noted otherwise.

As it is not the purpose of the meeting to discuss any antitrust topics, if anyone believes we are straying into improper areas, please let us know and we will redirect the conversation.



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE TERMS – Wholesale Gas Quadrant

<b>PRODUCERS SEGMENT</b>		<b>TERM END:</b>
Rhonda Denton	Regulatory Affairs, BP Energy Company	12-31-2012
Catherine Abercrombie	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	12-31-2012
Chuck Cook	Manager - Regulatory Affairs, Chevron	12-31-2011
Richard D. Smith	Regulatory & Compliance Manager, Noble Energy, Inc.	12-31-2011
Mike Shepard	General Counsel, Mewbourne Oil Company	12-31-2011
<b>PIPELINE SEGMENT</b>		
Bill Griffith	Consultant, El Paso Natural Gas Company	12-31-2011
Kathryn Burch	Project Manager - Standards and Regulatory, Spectra Energy Transmission	12-31-2011
<b>Dale Davis</b>	Industry Standards Consultant, Williams Gas Pipeline	12-31-2013
Randy Young	Vice President - Regulatory Compliance and Corporate Services, Boardwalk Pipeline Partners, LP	12-31-2012
Kim Van Pelt	Regulatory Compliance Manager, Panhandle Eastern Pipe Line	12-31-2012
<b>LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>		
Rodger Schwecke	Director – Energy Markets and Capacity Products, Sempra Energy - Southern California Gas	12-31-2011
Phil Precht	Management Consultant – Pricing & Regulatory Services Department, Baltimore Gas and Electric Company	12-31-2011
Archie Hickerson	Director - Regulatory Affairs and Planning, AGL Resources	12-31-2013
V A C A N C Y		12-31-2012
Craig Colombo	Energy Trader III, Dominion Resources	12-31-2012
<b>END USERS SEGMENT</b>		
Norm Spooner	Supply Chain Manager – Fuel & Term Trading Department, Arizona Public Service Company	12-31-2012
Valerie Crockett	Senior Program Manager - Energy Markets & Policy, Tennessee Valley Authority	12-31-2012
Lori-Lynn C. Pennock	Senior Fuel Supply Analyst, Salt River Project	12-31-2011
Simona Patru	Manager Contract Administration – Energy Marketing & Trading, Florida Power & Light	12-31-2011
Tina Burnett	Natural Gas Resources Administrator, The Boeing Company	12-31-2011
<b>SERVICES SEGMENT</b>		
Craig Fleming	Director of Credit, Sequent Energy Management	12-31-2012
Lisa Simpkins	Vice President, Energy Policy – Natural Gas, Constellation Energy Commodities Group	12-31-2012
Leigh Spangler	CEO, Latitude Technologies, Inc.	12-31-2011
<b>Jim Buccigross</b>	Vice President, 8760 Inc.	12-31-2011
Jeff Jarvis	Senior Counsel, EnCana Marketing (USA), Inc.	12-31-2011

**EXECUTIVE COMMITTEE OFFICERS:** Jim Buccigross is WQG chairman of the Executive Committee, Dale Davis is WQG vice chairman; Mike Novak is the RGQ chairman, Phil Precht is the REQ chairman, Jim Minneman is REQ vice chairman, Kathy York is the WEQ chairman and Jim Castle is the WEQ vice chairman.



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE TERMS – Retail Electric Quadrant

<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
Bill Barkas	Manager of Retail State Government Relations, Dominion Retail, Inc.	12-31-2011
<b>Jim Minneman</b>	Controller, PPL Solutions, LLC	12-31-2011
Wendell Miyaji	Vice President – Energy Sciences, Comverge, Inc.	12-31-2012
Susan Munson	ERCOT Retail Market Liaison, Electric Reliability Council of Texas (ERCOT)	12-31-2012
<b>UTILITIES SEGMENT</b>		
<b>Phil Precht</b>	Management Consultant - Pricing and Regulatory Services Department, Baltimore Gas & Electric Company	12-31-2011
Patrick Eynon	Supervisor – Retail Access, Ameren Services	12-31-2011
Judy Ray	Industrial Segment Manager – Contract Administrator, Alabama Power Company	12-31-2012
Michael J. Jesensky	Director – Demand –Side Analysis, Dominion Resources Services, Inc. (representing Dominion Virginia Power)	12-31-2012
<b>END USERS/PUBLIC AGENCIES SEGMENT</b>		
James Bradford Ramsay	General Counsel – Supervisor/Director – NARUC Policy Department, National Association of Regulatory Utility Commissioners (NARUC)	12-31-2011
V A C A N C Y		12-31-2011
V A C A N C Y		12-31-2012
Pam Stonier	Utilities Analyst, Vermont Public Service Board	12-31-2012



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE TERMS – Wholesale Electric Quadrant

TRANSMISSION SEGMENT		TERM END:	SUBSEGMENT:
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	12-31-2011	Muni/Coop
Charles (Chuck) B. Feagans III	Manager – Operations Performance and Standards, Tennessee Valley Authority	12-31-2012	at large
Corey Sellers	Transmission Service Manager, Southern Company	12-31-2012	IOU
Edward Davis	Policy Consultant, Entergy Services, Inc.	12-31-2011	IOU
Robert Bean	Transmission Services Trading Section Leader, Arizona Public Service Company	12-31-2012	at large
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	12-31-2011	at large
Michelle Mizumori	Director of Market – Operations Interface, Western Electricity Coordinating Council (WECC)	12-31-2011	At-Large
GENERATION SEGMENT			
William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority	12-31-2011	Muni/Coop
<b>Kathy York</b>	Senior Program Manager – Energy Markets, Policy, and Compliance Reporting, Tennessee Valley Authority	12-31-2012	Fed/State/Prov.
Sherri Monteith	Regulatory Issues Manager, American Electric Power Service Corp.	12-31-2012	at large
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	12-31-2011	IOU
Alan Johnson	Director Regulatory Compliance – Commercial Operations & Commodities, NRG Energy, Inc.	12-31-2012	Merchant
V A C A N C Y		12-31-2011	at large
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	12-31-2011	at large
MARKETERS/BROKERS SEGMENT			
Chris Norton	Director of Market Regulatory Affairs, American Municipal Power, Inc.	12-31-2012	Muni/Coop
Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	12-31-2011	Fed/State/Prov.
David Lemmons	Senior Manager – Market Operations, Xcel Energy, Inc.	12-31-2012	at large
Richard Lehman	Supply and Trading, Salt River Project	12-31-2011	at large
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	12-31-2012	IOU
Roy True	Manager of Regulatory and Market Affairs, ACES Power Marketing	12-31-2011	at large
Shannon Jones	Market Affairs Specialist, Manitoba Hydro	12-31-2011	at large



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<b>DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>		<b>TERM END:</b>	<b>SUBSEGMENT:</b>
Ray Phillips	Manager of Compliance and Special Projects, Alabama Municipal Electric Authority	12-31-2012	Muni/Coop
Robert (Bob) S. Beadle	Manager – Transmission Resources, North Carolina Electric Membership Corporation	12-31-2011	at large
Alan Pritchard	Senior Engineer, Duke Energy Corporation	12-31-2012	IOU
Rufus D. Gladney	Executive Manager of Energy Services West, Consumers Energy Company	12-31-2011	IOU
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	12-31-2012	at large
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	12-31-2011	Other
David Taylor	Director of Standards Regulatory Compliance, North American Electric Reliability Corporation (NERC)	12-31-2011	At-Large
<b>END USERS SEGMENT</b>			
Pam Stonier	Utilities Analyst, Vermont Public Service Board	12-31-2011	at large
Aaron Breidenbaugh	Senior Manager - Regulatory Affairs and Public Policy - New York, EnerNOC, Inc.	12-31-2012	at large
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	12-31-2012	Regulator
V A C A N C Y		12-31-2011	at large
Jesse D. Hurley	Chief Executive Officer, Shift Research, LLC	12-31-2012	at large
V A C A N C Y		12-31-2011	at large
Paul Sorenson	Vice President - Central Markets Strategy, Open Access Technology International, Inc.	12-31-2011	At-Large
<b>INDEPENDENT GRID OPERATORS/PLANNERS</b>			
Chris Advena	Manager – Transmission Service, PJM Interconnection, LLC	12-31-2012	
<b>Jim Castle</b>	Manager - Grid Operations, New York Independent System Operator, Inc.	12-31-2012	
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	12-31-2012	
Brian Jacobsen	CAISO Manager – Enterprise Model Management, California ISO	12-31-2012	
Joel Mickey	Director of Grid Operations, Electric Reliability Council of Texas	12-31-2011	
Ed Skiba	Consulting Advisor, Standards Compliance & Strategy, Midwest ISO	12-31-2011	
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	12-31-2011	



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### TECHNOLOGY AND SERVICES

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Jim Buccigross	Vice President Energy Industry Practice, 8760 Inc.	12-31-2012
Andy Tritch	Senior Business Analyst, SunGard	12-31-2012
VACANCY		12-31-2012
VACANCY		12-31-2012
VACANCY		12-31-2011
VACANCY		12-31-2011
VACANCY		12-31-2011

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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE TERMS – Retail Gas Quadrant

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<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
Dwight M. Whitley, Jr.	Corporate Counsel, Sierra Southwest Cooperative Services, Inc.	12-31-2011
V A C A N C Y		12-31-2011
Richard Zollars	Director - Data and Billing, Dominion Retail, Inc.	12-31-2012
V A C A N C Y		12-31-2012
<b>DISTRIBUTORS SEGMENT</b>		
Dan Jones	Supervisor - Certified Supplier Business Center, Duke Energy	12-31-2011
Julie Compton Pellizzi	Project Leader, AGL Resources, Inc.	12-31-2011
<b>Michael Novak</b>	Assistant General Manager – Federal Regulatory Affairs, National Fuel Gas Distribution Corporation	12-31-2012
V A C A N C Y		12-31-2012
<b>END USERS/PUBLIC AGENCIES SEGMENT</b>		
V A C A N C Y		12-31-2012
V A C A N C Y		12-31-2012
V A C A N C Y		12-31-2011
V A C A N C Y		12-31-2011

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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE ALTERNATES – Wholesale Gas Quadrant

<b>PRODUCER SEGMENT</b>		<b>DESIGNATION DATE</b>
<b>PIPELINE SEGMENT</b>		
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	01/01/2002
Scott Hansen	Questar Pipeline Company	01/01/2002
Ronald G. Tomlinson	Manager – Business Technology, Dominion Transmission, Inc.	04/13/2010
Paul Love	Director, Electronic Customer Services, Natural Gas Pipe Line Company of America	01/01/2002
Mark Gracey	Consultant, Tennessee Gas Pipeline Company	02/28/2006
Christopher Burden	Consultant e-Commerce & Service Delivery, Williams Gas Pipeline	03/01/2007
Tom Gwilliam	Iroquois Gas Transmission System	02/28/2006
<b>LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>		<b>DESIGNATION DATE</b>
Rick Ishikawa	Interconnect Account Manager in Capacity Products Group, Southern California Gas Company (Sempra Energy)	01/01/2002
Jim Blasiak	Specialist Federal Regulatory Affairs, Washington Gas Light Company	12/17/2007
George Simmons	FERC Specialist, NiSource Inc.	05/09/2005
Shannon Pierce	Senior Counsel – Interstate Transactions and Gas Operations, AGL Resources	12/16/2010
Scott Butler	Project Manager, Energy Markets Policy Group, Consolidated Edison Company of New York, Inc.	05/31/2005
<b>END USER SEGMENT</b>		<b>DESIGNATION DATE</b>
Paul A. Jones	Senior Marketing Representative, Salt River Project	06/09/2008
Art Morris	Gas Originator, Florida Power & Light Company	05/07/2008
Kathy York	Senior Program Manager – Energy Markets, Policy, and Compliance Reporting, Tennessee Valley Authority	01/13/2011
Marisol Santillan	Contract Administrator II, Arizona Public Service Company	02/11/2011
<b>SERVICES SEGMENT</b>		<b>DESIGNATION DATE</b>
Keith Sappenfield	Director, US Regulatory Affairs, Midstream and Marketing, EnCana Oil and Gas (USA), Inc.	06/09/2008
Sylvia Munson	Director – Product Management and Regulatory Compliance, SunGard Energy and Commodities	01/24/2011



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE ALTERNATES – Retail Electric Quadrant

<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		<b>DESIGNATION DATE</b>
Brandon S. Siegel	Manager – Market Management, E:SO (ista)	11/19/2009
H. Neal Allen	Profitability & Economic Analysis Manager, Southern Company Services	10/15/2009
<b>UTILITIES SEGMENT</b>		<b>DESIGNATION DATE</b>
Keith P. Hock	Director ARES Business Center, Ameren Services Company	01/01/2002
Debbie McKeever	Market Advocate, Oncor	02/03/2010
William J. Welzant	Principal Supplier Services Analyst, Supplier Account Management, Baltimore Gas and Electric Co.	11/25/2007
<b>END USERS/PUBLIC AGENCIES SEGMENT</b>		<b>DESIGNATION DATE</b>
Robin J. Lunt	Assistant General Counsel, National Association of Regulatory Utility Commissioners (NARUC)	02/03/2011

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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE ALTERNATES – Wholesale Electric Quadrant

<b>TRANSMISSION SEGMENT</b>		<b>SUB-SEGMENT</b>	<b>DESIGNATION DATE</b>
Craig L. Williams	Market Interface Manager, Western Electricity Coordinating council (WECC)	At Large	06/27/2011
Abbey J. Nulph	Senior Public Utilities Specialist, Bonneville Power Administration	Fed/State/Prov.	12/15/2010
Sarah E. Edmonds	Director of Transmission Regulation, Strategy and Policy, PacifiCorp	IOU	09/03/2010
Jane Daly	Rate & Regulatory Advisor, Arizona Public Service Company	IOU	03/09/2007
Lori Molotch	Transmission Services Trader Senior, Arizona Public Service Company	IOU	12/21/2010
Narinder Saini	Policy Consultant, Entergy Services, Inc.	IOU	03/23/2007
J.T. Wood	Southern Company Services	IOU	02/02/2007
Joshua Jenkins	Sr. Engineer – Transmission Policy and Services, Southern Company Services	IOU	01/19/2011
Ross Kovacs	Transmission Strategic Coordinator, Georgia Transmission Corporation	Muni/Coop	06/18/2009
<b>GENERATION SEGMENT</b>		<b>SUB-SEGMENT</b>	<b>DESIGNATION DATE</b>
Lou Oberski	Director – Electric Market Policy, Dominion Resources Services, Inc (Dominion Energy Marketing, Inc.)	IOU	04/28/2008
Francis Halpin	Bonneville Power Administration	Fed/State/Prov.	01/01/2002
<b>MARKETER/BROKER SEGMENT</b>		<b>SUB-SEGMENT</b>	
Jeff Ackerman	Manager, CRSP-Energy Mgmt., Western Area Power Administration	Fed/State/Prov	01/01/2002
Brenda Anderson	Bonneville Power Administration	Fed/State/Prov	01/01/2002
Valerie Crockett	Senior Program Manager, Energy Markets & Policy, Tennessee Valley Authority	Fed/State/Prov	01/27/2005
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing (Southern Company Services, Inc.)	IOU	01/16/2008
Kevin M. Pera	Transmission Analyst, Xcel Energy, Inc.	IOU (at large)	08/12/2011



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<b>DISTRIBUTION/LSE SEGMENT</b>		<b>SUB-SEGMENT</b>	<b>DESIGNATION DATE</b>
Gerry Adamski	Vice President of Standards, NERC	At-Large	08/29/2007
Andy Rodriguez	Director of Standards Development, North American Electric Reliability Corporation (NERC)	At-Large	02/03/2011
Lee Hall	Coordination Manager – Power Services, Bonneville Power Administration	Other	10/24/2008
James R. Manning	Senior Engineer – Transmission Resources, North Carolina Electric Membership Corporation	Muni/Coop	01/03/2011
Ronald C. Snead	General Manager, System Planning and Business Services, Duke Energy Corp.	IOU	06/18/2010
<b>END USER SEGMENT</b>		<b>SUB-SEGMENT</b>	<b>DESIGNATION DATE</b>
Mark W. Hackney	Regional Director – Transmission, Open Access Technology International, Inc.	At-Large	06/29/2010
<b>INDEPENDENT GRID OPERATORS/PLANNERS SEGMENT</b>		<b>SUB-SEGMENT</b>	<b>DESIGNATION DATE</b>
Paul Wattles	Supervisor Demand Side Programs, Electric Reliability Council of Texas (ERCOT)		06/15/2007
Bill Blevins	Sr. Market Support Analyst, Electric Reliability Council of Texas (ERCOT)		06/15/2007
Heather Sanders	Renewable Integration Support Manager, California ISO		02/16/2010
Robert Coughlin	Principal Scientist Reliability & Operations Compliance, ISO New England, Inc.		06/15/2007
Eric Winkler	Project Manager – FCM and Tariff Administration, ISO New England, Inc.		06/12/2009
Cheryl Mendrala	Principal Engineer, ISO New England, Inc.		03/31/2008
Marie Knox	Sr. Standards Compliance Analyst, Midwest ISO		08/31/2009
Dean Hartung	Manager Real Time Market Operations, PJM Interconnection, LLC		06/15/2007
Cathy Wesley	Sr. Analyst, PJM Interconnection, LLC		09/05/2008
Carl Monroe	Sr. Vice President Operations & Chief Operating Officer, Southwest Power Pool		06/15/2007
Greg Campoli	Supervisor – Reliability Compliance and Assessment, New York ISO		08/30/2007
Diana Pommen	Director Interjurisdictional Affairs, Alberta Electric System Operator		02/12/2008
Jimmy Womack	Manager-Tariff Administration, Southwest Power Pool		04/03/2008
Terry Bilke	Director Standards Compliance and Strategy, Midwest ISO		03/06/2009
<b>TECHNOLOGY AND SERVICES</b>		<b>SUB-SEGMENT</b>	<b>DESIGNATION DATE</b>



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2011 EXECUTIVE COMMITTEE ALTERNATES – Retail Gas Quadrant

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<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		<b>DESIGNATION DATE</b>
Paul Cherevka	Project Manager Data Warehouse, Dominion Retail	06/28/2005

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<b>DISTRIBUTORS SEGMENT</b>		<b>DESIGNATION DATE</b>
Joe Stengel	Manager, Federal Regulatory Affairs, Philadelphia Gas Works (American Public Gas Association (APGA))	01/01/2002

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<b>END USERS/PUBLIC AGENCIES SEGMENT</b>		<b>DESIGNATION DATE</b>
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July 29, 2011

**TO:** NAESB Wholesale Electric, Wholesale Gas and Retail Gas and Electric Quadrant Executive Committee Members, Alternates and Interested Industry Participants

**FROM:** Rae McQuade, NAESB President

**RE:** Quadrant Executive Committee Meeting Announcements and Draft Agendas with links to Meeting Materials – **Highlighted with Additional Materials**

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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETINGS Hosted by El Paso Western Pipeline, Colorado Springs, CO

First, let me thank El Paso Western Pipeline and Bill Griffith for the generosity and commitment to the NAESB organization through hosting this series of meetings. Without such support, it would be very difficult to maintain the NAESB budget and provide various locations around the country to encourage attendance at the NAESB in-person meetings. Below are the meeting arrangements:

**Where:** El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO  
**Contact:** Veronica Thomason, 713-356-0060  
**When:** Tuesday, August 16 -- 10:00 a.m. to 4:00 p.m. MT – Wholesale Electric Quadrant  
Wednesday, August 17 -- 10:00 a.m. to 4:00 p.m. MT – Retail Gas Quadrant and Retail Electric Quadrant  
Thursday, August 18 -- 9:00 a.m. to 3:00 p.m. MT – Wholesale Gas Quadrant

The materials for the meeting will be emailed to the participants and posted on the web site shortly. In an effort to control costs and be more environmentally aware, we are not printing Executive Committee books any longer although they will be posted in an assembled pdf document for each quadrant meeting, in addition to the links to the native formatted documents provided in the agendas. For agenda items where materials are already available and have been sent to you in prior communications, or posted on the web site, the links to those documents are included in the agenda for your convenience, and to help you prepare for the meetings. The links are formatted in blue underlined text. As the meeting approaches, this agenda with additional links to documents will be provided, along with the pdf assembled books.

If you plan to attend any of the above EC meetings and have not already RSVPed to our office through the other announcements, please do so at your earliest convenience to the NAESB office ([naesb@naesb.org](mailto:naesb@naesb.org)) so that proper meeting arrangements can be made by NAESB and our host. If you are an EC member and are not attending but have a specific designated alternate that you wish to represent you and vote for you at the Executive Committee meeting, please so notify the office when you RSVP that you are unable to attend.

Travel information is posted on the NAESB web site on the EC pages and can be directly accessed from the following link: <http://www.naesb.org/pdf4/ec081611ma.doc>. If you plan to participate by conference call, the information to do so is provided in this document. The EC meetings will be web cast as well. The meetings, conference calling and web casting is open to any interested party.

As always, the chair reserves the right to extend the time of the meeting to ensure that agenda items are addressed. The times indicated on the agenda will be followed to ensure that agenda items are allotted appropriate time slots. Should an agenda item conclude earlier than its stated time slot, the remaining time could be allotted to other agenda items at the discretion of the chair.



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There are other NAESB subcommittee meetings being held in conjunction with the EC meetings. They are held in various locations, and available via conference call and web cast, and upon advance request<sup>1</sup> for WGQ Joint IR/Technical subcommittee meetings. The details are provided in the following table.

Date	Time	Meeting/Location
Monday, August 15	10 am to 11 am MT  Room 602	<b>Retail Glossary Meeting</b>  Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133560 Security Code: 1301 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)  NAESB web page: <a href="http://www.naesb.org/retail_bps.asp">http://www.naesb.org/retail_bps.asp</a>
Monday, August 15	11 am to 3 pm MT  Room 602	Retail BPS Meeting – Day 1 of 2  Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133560 Security Code: 1301 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)  NAESB web page: <a href="http://www.naesb.org/retail_bps.asp">http://www.naesb.org/retail_bps.asp</a>
Tuesday August 16	10 am to 4 pm MT  Room 670	WEQ EC Meeting  Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133562 Security Code: 2843 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)  NAESB web page: <a href="http://www.naesb.org/weq/weq_ec.asp">http://www.naesb.org/weq/weq_ec.asp</a>
Tuesday August 16	9 am to 3 pm MT  Room 602	Retail BPS Meeting – Day 2 of 2  Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133560 Security Code: 1301 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)  NAESB web page: <a href="http://www.naesb.org/retail_bps.asp">http://www.naesb.org/retail_bps.asp</a>
Tuesday August 16	9 am to 4 pm MT  Room 604	WGQ IR/Technical Subcommittees Meeting – Day 1 of 2  Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference calling and web casting not available unless requested in advance with subcommittee chair approval  NAESB web page: <a href="http://www.naesb.org/WGQ/ir.asp">http://www.naesb.org/WGQ/ir.asp</a>

<sup>1</sup> To set up phone call in capability for the WGQ IR/Technical meetings requires request from attendees unable to participate in person.



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Date	Time	Meeting/Location
Wednesday, August 17	10 am to 4 pm MT Room 670	Retail EC Meeting by phone/web cast/ for in person attendance, please join NAESB staff Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133562 Security Code: 6862 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes) NAESB web page: <a href="http://www.naesb.org/REQ/req_ec.asp">http://www.naesb.org/REQ/req_ec.asp</a>
Wednesday, August 17	8 am to 3 pm MT Room 602	WEQ OASIS Subcommittee – Day 1 of 2 Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133560 Security Code: 2695 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes) NAESB web page: <a href="http://www.naesb.org/WEQ/weq_oasis.asp">http://www.naesb.org/WEQ/weq_oasis.asp</a>
Wednesday, August 17	9 am to 4 pm MT Room 604	WGQ IR/Technical Subcommittees Meeting – Day 2 of 2 Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference calling and web casting not available unless requested in advance with subcommittee chair approval NAESB web page: <a href="http://www.naesb.org/WGQ/ir.asp">http://www.naesb.org/WGQ/ir.asp</a>
Thursday, August 18	9 am to 3 pm MT Room 670	WGQ EC Meeting Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133562 Security Code: 8724 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes) NAESB web page: <a href="http://www.naesb.org/WGQ/ec.asp">http://www.naesb.org/WGQ/ec.asp</a>
Thursday, August 18	8 am to 12 pm MT Room 602	WEQ OASIS Subcommittee – Day 2 of 2 Location: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO Conference Call Number: 866-740-1260 Access Code: 7133560 Security Code: 2695 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes) NAESB web page: <a href="http://www.naesb.org/WEQ/weq_oasis.asp">http://www.naesb.org/WEQ/weq_oasis.asp</a>

Please feel free to call the NAESB office should you have any questions or comments. Instructions for dialing in or participating on the web casts follow.

Best Regards, *Rae*



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### CONFERENCE CALLING AND WEB CONFERENCING INSTRUCTIONS FOR THE EXECUTIVE COMMITTEE AND RELATED SUBCOMMITTEE MEETINGS AUGUST 16-18, 2011

This conference call, as all NAESB meetings and conference calls, is open to any interested party.

To join the conference call:

- Dial the 11-digit toll free phone number (provided in the preceding chart – specific to the meeting and date)
- An automated attendant will ask you to enter a seven-digit access code (provided in the preceding chart – specific to the meeting and date)
- The automated attendant will ask you to record your name.
- Please note, if the conference leader has not yet initiated the conference call, you will be placed on hold until the conference leader starts the conference.
- The automated attendant will then ask you for a four-digit security code (provided in the preceding chart – specific to the meeting and date)

Please place your phone on mute unless you are speaking. For those participants that do not have a mute feature on your phone, please press (\*6) to mute your phone and (\*7) to un-mute your phone. Putting the conference call on hold may cause music to be played over the discussion and if so, the NAESB office will contact the conference call administrator to have the line disconnected.

To join the web conference, go to [www.readytalk.com](http://www.readytalk.com) and enter the same access code and security code. Please note that if the conference leader has not yet initiated the web conference, you will view a screen that states, “The Chairperson has not yet arrived. Please standby for your web conference to begin.”

ReadyTalk recommends that you test your browser and network connections for compatibility prior to participating in a web conference. To do so, go to <http://test.callinfo.com>. If you have problems joining a conference call or need technical assistance, please contact ReadyTalk Customer Care, 1-800-843-9166. Please contact the NAESB Office (713-356-0060 or [naesb@naesb.org](mailto:naesb@naesb.org)) should you need any additional information or have questions or comments.



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## NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE ELECTRIC QUADRANT DRAFT AGENDA

Tuesday, August 16, 2011 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

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- | # | Agenda Item |
|---|-------------|
|---|-------------|
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1. Welcome
    - Antitrust Guidelines [http://www.naesb.org/misc/antitrust\\_guidance.doc](http://www.naesb.org/misc/antitrust_guidance.doc)
    - Welcome to members and attendees
    - Quorum Establishment: Roll Call of WEQ EC Members and Alternates: [http://www.naesb.org/pdf4/ec\\_terms.pdf](http://www.naesb.org/pdf4/ec_terms.pdf) (EC) and [http://www.naesb.org/pdf4/alt\\_ec\\_members.pdf](http://www.naesb.org/pdf4/alt_ec_members.pdf) (EC Alt)
  2. Consent Agenda (simple majority to approve)
    - Adoption of Agenda <http://www.naesb.org/pdf4/ec081611a.docx>
    - Adoption of the EC Meeting Minutes:
      - February 1, 2011: [http://www.naesb.org/pdf4/weq\\_ec020111dm.doc](http://www.naesb.org/pdf4/weq_ec020111dm.doc)
      - March 21, 2011: [http://www.naesb.org/pdf4/weq\\_ec032111dm.doc](http://www.naesb.org/pdf4/weq_ec032111dm.doc)
      - June 30, 2011: [http://www.naesb.org/pdf4/weq\\_ec063011dm.doc](http://www.naesb.org/pdf4/weq_ec063011dm.doc), proposed redlines submitted by E. Skiba, Midwest ISO: [http://www.naesb.org/pdf4/weq\\_ec081611w1.doc](http://www.naesb.org/pdf4/weq_ec081611w1.doc)
    - Adoption of changes to the 2011 WEQ Annual Plan to be proposed to the Board of Directors: [http://www.naesb.org/misc/weq\\_2011\\_annual\\_plan\\_062311.docx](http://www.naesb.org/misc/weq_2011_annual_plan_062311.docx)
  3. Overview of Standards Development – Parallel Flow Visualization
    - Discussion on Progress and Possible EC Vote on Direction (simple majority)
      - Two-Tier Firm Curtailment Cover Letter: [http://www.naesb.org/pdf4/weq\\_ec081611w4.pdf](http://www.naesb.org/pdf4/weq_ec081611w4.pdf)
      - Attachment 1: Two-Tier Firm Curtailment Overview: [http://www.naesb.org/pdf4/weq\\_ec081611w5.doc](http://www.naesb.org/pdf4/weq_ec081611w5.doc)
      - Attachment 2: Procedural History of Two-Tier Firm Curtailment: [http://www.naesb.org/pdf4/weq\\_ec081611w6.doc](http://www.naesb.org/pdf4/weq_ec081611w6.doc)
      - Attachment 3: Policy Concern Position Paper: [http://www.naesb.org/pdf4/weq\\_ec081611w7.doc](http://www.naesb.org/pdf4/weq_ec081611w7.doc)
      - Attachment 4: No Policy Concern Position Paper: [http://www.naesb.org/pdf4/weq\\_ec081611w8.doc](http://www.naesb.org/pdf4/weq_ec081611w8.doc)
  4. Overview of Standards Development – OASIS Network Integration Transmission Services
  5. Progress Report on Demand Side Management/Energy Efficiency
    - FERC Activities and DR Implementation Plan
    - SEE Action
    - Retail EE Efforts and retail DR Phase 2 efforts
  6. e-Tag and Dodd-Frank Act Discussion
  7. Standards Review Subcommittee Updates and Coordination of Glossary Terms
  8. Procedures Review – Roles and Responsibilities



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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE ELECTRIC QUADRANT DRAFT AGENDA

Tuesday, August 16, 2011 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

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# Agenda Item

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9. Subcommittee Updates

- Triage Subcommittee: <http://www.naesb.org/pdf4/tr072511agenda.doc> (new requests) ,  
<http://www.naesb.org/pdf4/tr072511disposition.docx> (disposition)
- Business Practices Subcommittee (BPS): [http://www.naesb.org/pdf4/weq\\_ec081611w3.ppt](http://www.naesb.org/pdf4/weq_ec081611w3.ppt) may be addressed in agenda item 3
- DSM-EE Subcommittee – addressed in agenda item 5
- OASIS Subcommittee: Report – a portion may be addressed in agenda item 4, SAMTS update, next steps
  - Request for formal comments on WEQ recommendations due September 8, 2011:  
[http://www.naesb.org/pdf4/weq\\_080911\\_reqcom.doc](http://www.naesb.org/pdf4/weq_080911_reqcom.doc)
- Joint Electric Scheduling Subcommittee (JESS)
- Standards Review Subcommittee (SRS): [http://www.naesb.org/pdf4/weq\\_ec081611w2.ppt](http://www.naesb.org/pdf4/weq_ec081611w2.ppt) may be addressed in agenda item 7
- Glossary Efforts

10. Publication Schedule Review

- Publications: WGQ Publication Schedule (Version 2.1):  
[http://www.naesb.org/misc/wgq\\_publication\\_schedule\\_ver2\\_1.doc](http://www.naesb.org/misc/wgq_publication_schedule_ver2_1.doc), scheduled for July 2012
- WEQ Publication Schedule (Version 2.2): [http://www.naesb.org/misc/weq\\_publication\\_schedule\\_ver2\\_2.doc](http://www.naesb.org/misc/weq_publication_schedule_ver2_2.doc),  
scheduled for September 2011
- Retail Publication Schedule (Version 1.4): [http://www.naesb.org/misc/retail\\_publication\\_schedule\\_ver1\\_4.doc](http://www.naesb.org/misc/retail_publication_schedule_ver1_4.doc),  
scheduled for April 2012
- Individual Books Availability in New Publications

11.. Board of Directors, Board Committee and Regulatory Updates:

- Board Updates – Board Meeting June 23, 2011: <http://www.naesb.org/pdf4/bd062311dm.doc>
- Board Critical Infrastructure Efforts: [http://www.naesb.org/pdf4/bd\\_cic\\_072811notes.doc](http://www.naesb.org/pdf4/bd_cic_072811notes.doc)
- Board Certification Efforts – PKI WEQ-012 Standards
- Electric Industry Registry – WebRegistry Status: [http://www.naesb.org/pdf4/registry\\_transfer\\_update\\_080911.pdf](http://www.naesb.org/pdf4/registry_transfer_update_080911.pdf)
- Regulatory Efforts: (*summaries only are included in the assembled book for the following efforts*)
  - August 5, 2011 – First meeting of the CFTC Data Standardization Subcommittee:  
<http://www.cftc.gov/PressRoom/PressReleases/pr6080-11.html>,  
<http://www.cftc.gov/ucm/groups/public/@newsroom/documents/file/agenda080511.pdf>
  - July 21, 2011 - FERC Order No. 1000, “Transmission Planning and Cost Allocation by Transmission Owning and Operating Public Utilities: <http://www.ferc.gov/whats-new/comm-meet/2011/072111/E-6.pdf>
  - July 7, 2011 – Smart Grid Filing: [http://www.naesb.org/pdf4/ferc\\_070711\\_smartgrid\\_standards.pdf](http://www.naesb.org/pdf4/ferc_070711_smartgrid_standards.pdf)
  - June 20, 2011 – WEQ Minor Corrections Filing:  
[http://www.naesb.org/pdf4/ferc\\_062011\\_weq\\_minor\\_corrections\\_v002.1.pdf](http://www.naesb.org/pdf4/ferc_062011_weq_minor_corrections_v002.1.pdf)
  - April 30, 2011 - Demand Response Filing:



## North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE ELECTRIC QUADRANT DRAFT AGENDA

Tuesday, August 16, 2011 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

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# Agenda Item

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- [http://www.naesb.org/pdf4/ferc\\_043011\\_weq\\_demand\\_response\\_standards.pdf](http://www.naesb.org/pdf4/ferc_043011_weq_demand_response_standards.pdf)
  - March 9, 2011 – Progress Report on Coordination of Requests Across Multiple Transmission Systems :  
[http://www.naesb.org/pdf4/naesb\\_samts\\_status\\_report\\_ferc\\_030911.pdf](http://www.naesb.org/pdf4/naesb_samts_status_report_ferc_030911.pdf)
  - March 2, 2011: NAESB Comments on Integration of Variable Energy Resources:  
[http://www.naesb.org/pdf4/naesb\\_comments\\_ver\\_integration\\_nopr\\_030211.pdf](http://www.naesb.org/pdf4/naesb_comments_ver_integration_nopr_030211.pdf)
  - March 2, 2011: NAESB Comments on Smart Grid Interoperability Standards:  
[http://www.naesb.org/pdf4/naesb\\_comments\\_smartgrid\\_interop\\_030211.pdf](http://www.naesb.org/pdf4/naesb_comments_smartgrid_interop_030211.pdf)
  - February 7, 2011: NAESB Comments on Federal Agency Participation in Standardization:  
[http://www.naesb.org/pdf4/naesb\\_comments\\_nist\\_effectiveness\\_020711.doc](http://www.naesb.org/pdf4/naesb_comments_nist_effectiveness_020711.doc)
12. Other Business
- Meeting Schedule 2011: [http://www.naesb.org/misc/2011\\_schedule.doc](http://www.naesb.org/misc/2011_schedule.doc)
  - Preparation for 2012 Annual Plan

Adjourn

*Attire – Business Casual*



# North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING RETAIL QUADRANTS DRAFT AGENDA

Wednesday, August 17, 2011 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

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#	Agenda Item
1.	Welcome <ul style="list-style-type: none"><li>• Antitrust Guidelines <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a> (Guidance)</li><li>• Welcome to members and attendees</li><li>• Quorum Establishment: Roll Call of Retail EC Members and Alternates: <a href="http://www.naesb.org/pdf4/ec_terms.pdf">http://www.naesb.org/pdf4/ec_terms.pdf</a> (EC) and <a href="http://www.naesb.org/pdf4/alt_ec_members.pdf">http://www.naesb.org/pdf4/alt_ec_members.pdf</a> (EC Alt)</li></ul>
2.	Consent Agenda (simple majority to approve) <ul style="list-style-type: none"><li>• Adoption of Agenda: <a href="http://www.naesb.org/pdf4/ec081611a.docx">http://www.naesb.org/pdf4/ec081611a.docx</a></li><li>• Adoption of the Meeting Minutes:<ul style="list-style-type: none"><li>• May 4, 2011: <a href="http://www.naesb.org/pdf4/retail_ec050411dm.doc">http://www.naesb.org/pdf4/retail_ec050411dm.doc</a></li><li>• July 7, 2011 (REQ Members Only): <a href="http://www.naesb.org/misc/req_ec070711dm_rev_pp.docx">http://www.naesb.org/misc/req_ec070711dm_rev_pp.docx</a></li></ul></li><li>• Adoption of changes to the 2011 Retail Annual Plan to be proposed to the Board of Directors: <a href="http://www.naesb.org/misc/retail_2011_annual_plan_072911.docx">http://www.naesb.org/misc/retail_2011_annual_plan_072911.docx</a></li></ul>
3.	Review and Consider for Vote Recommendation for Supplier Marketing Practices (Annual Plan Item No. 7) – super majority vote <ul style="list-style-type: none"><li>• Recommendation: <a href="http://www.naesb.org/pdf4/retail_2011_ap_7_rec.doc">http://www.naesb.org/pdf4/retail_2011_ap_7_rec.doc</a></li><li>• Request for Comments due August 12: <a href="http://www.naesb.org/pdf4/retail_071311_reqcom.doc">http://www.naesb.org/pdf4/retail_071311_reqcom.doc</a></li><li>• Comments:<ul style="list-style-type: none"><li>• B. Barkas, Dominion Retail, Inc.: <a href="http://www.naesb.org/pdf4/retail_071311_dominion_retail.pdf">http://www.naesb.org/pdf4/retail_071311_dominion_retail.pdf</a></li></ul></li></ul>
4.	Review and Consider for Vote Recommendation R10008 Smart Grid OpenADE Standards for Energy Usage Information (Annual Plan Item No. 8(c)) – super majority vote for REQ members only <ul style="list-style-type: none"><li>• Recommendation: <a href="http://www.naesb.org/pdf4/r10008_rec_070711.docx">http://www.naesb.org/pdf4/r10008_rec_070711.docx</a></li><li>• Request for Comments due August 8: <a href="http://www.naesb.org/pdf4/req_070711_reqcom.doc">http://www.naesb.org/pdf4/req_070711_reqcom.doc</a></li><li>• Comments:<ul style="list-style-type: none"><li>• M. Dienhart, Xcel Energy: <a href="http://www.naesb.org/pdf4/req_070711_xcel_energy.xls">http://www.naesb.org/pdf4/req_070711_xcel_energy.xls</a></li><li>• I. O'Neill, Southern California Edison: <a href="http://www.naesb.org/pdf4/req_070711_sce.xls">http://www.naesb.org/pdf4/req_070711_sce.xls</a></li><li>• R. Vader, DTE Energy: <a href="http://www.naesb.org/pdf4/req_070711_dte.docx">http://www.naesb.org/pdf4/req_070711_dte.docx</a></li><li>• A. Fishman, Edison Electric Institute: <a href="http://www.naesb.org/pdf4/req_070711_eei.doc">http://www.naesb.org/pdf4/req_070711_eei.doc</a></li><li>• C. King, eMeter: <a href="http://www.naesb.org/pdf4/req_070711_emeter.doc">http://www.naesb.org/pdf4/req_070711_emeter.doc</a></li><li>• L. Tillman, on behalf of Southern Company Services: <a href="http://www.naesb.org/pdf4/req_070711_coverletter_scs.pdf">http://www.naesb.org/pdf4/req_070711_coverletter_scs.pdf</a> (cover letter), <a href="http://www.naesb.org/pdf4/req_070711_scs.pdf">http://www.naesb.org/pdf4/req_070711_scs.pdf</a> (comments)</li></ul></li></ul>

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## North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING RETAIL QUADRANTS DRAFT AGENDA

Wednesday, August 17, 2011 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

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- | # | Agenda Item |
|---|-------------|
|---|-------------|
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5. Progress Report on Demand Side Management/Energy Efficiency
    - FERC Activities and DR Implementation Plan
    - SEE Action
    - Retail EE Efforts and retail DR Phase 2 efforts
  6. Retail Quadrants Membership and Status of Retail Restructuring:
    - Membership Report: [http://www.naesb.org/misc/2011\\_membership\\_report\\_071211.doc](http://www.naesb.org/misc/2011_membership_report_071211.doc)
  7. Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available):
    - Triage Subcommittee: <http://www.naesb.org/pdf4/tr072511agenda.doc> (new requests),  
<http://www.naesb.org/pdf4/tr072511disposition.docx> (disposition)
    - Business Practices Subcommittee (BPS) and Texas Task Force
    - Technical Electronic Implementation Subcommittee (TEIS)
    - Glossary Efforts
    - Demand Side Management/Energy Efficiency (covered in agenda item 5)
    - Smart Grid
  8. Publication Schedule Review
    - Publications: WGQ Publication Schedule (Version 2.1):  
[http://www.naesb.org/misc/wgq\\_publication\\_schedule\\_ver2\\_1.doc](http://www.naesb.org/misc/wgq_publication_schedule_ver2_1.doc), scheduled for July 2012
    - WEQ Publication Schedule (Version 2.2): [http://www.naesb.org/misc/weq\\_publication\\_schedule\\_ver2\\_2.doc](http://www.naesb.org/misc/weq_publication_schedule_ver2_2.doc),  
scheduled for September 2011
    - Retail Publication Schedule (Version 1.4): [http://www.naesb.org/misc/retail\\_publication\\_schedule\\_ver1\\_4.doc](http://www.naesb.org/misc/retail_publication_schedule_ver1_4.doc),  
scheduled for April 2012
    - Individual Books Availability in New Publications
  9. Board of Directors, Board Committee and Regulatory Updates
    - Board and Board Committee Updates – Board Meeting June 23, 2011: <http://www.naesb.org/pdf4/bd062311dm.doc>
    - Board Critical Infrastructure Efforts: [http://www.naesb.org/pdf4/bd\\_cic\\_072811notes.doc](http://www.naesb.org/pdf4/bd_cic_072811notes.doc)
    - Regulatory Updates:
      - NARUC Annual Meeting Update
      - July 7, 2011 – NAESB Smart Grid Filing: [http://www.naesb.org/pdf4/ferc\\_070711\\_smartgrid\\_standards.pdf](http://www.naesb.org/pdf4/ferc_070711_smartgrid_standards.pdf)  
(summary only included in assembled book)
      - July 19, 2011 – FERC Ruling on Smart Grid Interoperability Standards, Docket No. RM11-2-000:  
<http://www.ferc.gov/EventCalendar/Files/20110719143912-RM11-2-000.pdf>
  10. Other Business
    - Meeting Schedule 2011: [http://www.naesb.org/misc/2011\\_schedule.doc](http://www.naesb.org/misc/2011_schedule.doc)
    - Preparation for 2012 Annual Plan



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801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING RETAIL QUADRANTS DRAFT AGENDA

Wednesday, August 17, 2011 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

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# Agenda Item

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11. Adjourn

*Attire – Business Casual*



# North American Energy Standards Board

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Home Page: [www.naesb.org](http://www.naesb.org)

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**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING  
WHOLESALE GAS QUADRANT DRAFT AGENDA  
Thursday, August 18, 2011 – 9:00 am to 3:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO**

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# Agenda Item

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1. Welcome

- Antitrust Guidelines [http://www.naesb.org/misc/antitrust\\_guidance.doc](http://www.naesb.org/misc/antitrust_guidance.doc) (Guidance)
- Welcome to members and attendees
- Quorum Establishment: Roll Call of WGQ EC Members and Alternates: [http://www.naesb.org/pdf4/ec\\_terms.pdf](http://www.naesb.org/pdf4/ec_terms.pdf) (EC) and [http://www.naesb.org/pdf4/alt\\_ec\\_members.pdf](http://www.naesb.org/pdf4/alt_ec_members.pdf) (EC Alt)

2. Consent Agenda (simple majority to approve)

- Adoption of Agenda: <http://www.naesb.org/pdf4/ec081611a.docx>
- Adoption of the Meeting Minutes:
  - May 5, 2011: [http://www.naesb.org/pdf4/wgq\\_ec050511dm.doc](http://www.naesb.org/pdf4/wgq_ec050511dm.doc), proposed redlines submitted by D. Davis, Williams Gas Pipeline: [http://www.naesb.org/pdf4/wgq\\_ec081811w1.doc](http://www.naesb.org/pdf4/wgq_ec081811w1.doc)
- Adoption of changes to the 2011 WGQ Annual Plan to be proposed to the Board of Directors: [http://www.naesb.org/misc/wgq\\_leadership062211a1\\_redline.docx](http://www.naesb.org/misc/wgq_leadership062211a1_redline.docx)

3. Consideration and Possible Vote on Minor Corrections (simple majority to approve) – please note that if the linked document is a request, it is under consideration by the Information Requirements/Technical Subcommittees and is not yet prepared for an EC vote, but it may be presented for vote should the IR/Tech Subcommittees prepare the recommendations prior to August 18.

The minor corrections available for vote now are indicated by an asterisk (\*), and the minor corrections are separated into those to be applied to Version 2.0 and those to be applied to the final actions that will compose Version 2.1.

Version 2.0 applications:

- MC11017 – For NAESB WGQ Version 2.0, minor correction to correct the code values for the data element in ‘Allowable Re-Release Indicator’ in data set, Officer (NAESB WGQ Standard No. 5.4.24).  
\* Minor Correction Code Value Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11017\\_rec\\_060711.doc](http://www.naesb.org/pdf4/wgq_mc11017_rec_060711.doc)
- MC11020 – For NAESB WGQ Version 2.0, minor correction of inadvertent typographical error in published NAESB Standard 6.3.1 - NAESB Base Contract for Sale and Purchase of Natural Gas dated September 5, 2006.  
\* Minor Correction Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11020.doc](http://www.naesb.org/pdf4/wgq_mc11020.doc)
- MC11022 – For NAESB WGQ Version 2.0, minor correction to the conditions associated with the download of the Bid (NAESB WGQ Standard No. 5.4.25) for the following data elements: Bid Minimum Quantity - Contract and Bid Minimum Quantity – Location. Such review should consider the Bidder’s selection in the Bidder Lesser Quantity Indicator data element. Minor correction to the conditions associated with the download of the Offer (NAESB WGQ Standard No. 5.4.24) for the following data elements: Minimum Offer Quantity – Contract, Minimum Offer Quantity – Location, Minimum Term, Minimum Acceptable Percentage of Maximum Tariff Rate, and Minimum Acceptable Rate. Such review should consider the Releaser’s selection in the Disclose Indicator, Releasing Shipper Lesser Quantity Indicator, Shorter Term Indicator, and Minimum Rate Disclosure Indicator. This minor correction is linked to C11002 and C11003.  
Minor Correction Code Value Request: [http://www.naesb.org/pdf4/wgq\\_mc11022.doc](http://www.naesb.org/pdf4/wgq_mc11022.doc)



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801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE GAS QUADRANT DRAFT AGENDA

Thursday, August 18, 2011 – 9:00 am to 3:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

#	Agenda Item
	<ul style="list-style-type: none"><li>• MC11023 – Errata for NAESB WGQ Version 2.0 - Correct the Data Element Cross Reference to ASCX12 for the N1 sub-detail usages for the data elements Upstream Identifier Code/Upstream Identifier Proprietary Code and Downstream Identifier Code/Downstream Identifier Proprietary Code in the column ‘Usage with Nominator’s Tracking ID P N T U’ from ‘nu nu nu nu’ to ‘M C nu C’ * Minor Correction Recommendation: <a href="http://www.naesb.org/pdf4/wgq_mc11023_rec_072811.doc">http://www.naesb.org/pdf4/wgq_mc11023_rec_072811.doc</a></li><li>• MC11024 – For NAESB WGQ Version 2.0, minor correction to add the code value "Kansas Ad Valorem Tax Refund" for data element "Charge Type" in data set, Transportation/Sales Invoice (NAESB WGQ Standard No. 3.4.1). Minor Correction Code Value Request: <a href="http://www.naesb.org/pdf4/wgq_mc11024.docx">http://www.naesb.org/pdf4/wgq_mc11024.docx</a></li></ul>
	Version 2.1 applications:
	<ul style="list-style-type: none"><li>• MC11006 – For NAESB WGQ Version 2.1, Add a new Nomination Quick Response Validation Codes - To the Nomination Quick Response document (1.4.2), add new Nominations Quick Response Validation Codes (Sub-detail). Minor Correction Code Value Request: <a href="http://www.naesb.org/pdf4/wgq_mc11006.doc">http://www.naesb.org/pdf4/wgq_mc11006.doc</a></li><li>• MC11007 – For NAESB WGQ Version 2.1, for NAESB WGQ Standard No. 5.4.21: Transactional Reporting - Firm, add a code value to the Sender’s Option data element “Capacity Type Indicator” for capacity that is “Primary thru Storage”. Minor Correction Code Value Request: <a href="http://www.naesb.org/pdf4/wgq_mc11007.doc">http://www.naesb.org/pdf4/wgq_mc11007.doc</a></li><li>• MC11018 – For NAESB WGQ Version 2.1, minor correction to add one code value for the data element Reduction Reason the data sets, Confirmation Response (NAESB WGQ Standard No. 1.4.4), Scheduled Quantity (NAESB WGQ Standard No. 1.4.5) and Scheduled Quantity for Operator (NAESB WGQ Standard No. 1.4.6). * Minor Correction Code Value Recommendation: <a href="http://www.naesb.org/pdf4/wgq_mc11018_rec_060711.doc">http://www.naesb.org/pdf4/wgq_mc11018_rec_060711.doc</a></li><li>• MC11019 – For WGQ Version 2.1, Add the code values ‘Swing Service Overtake’ and ‘Unauthorized Take’ for the data element “Transaction Type” in the following data sets: NAESB WGQ Standard No. 2.4.3 – Allocation, NAESB WGQ Standard No. 2.4.4 – Shipper Imbalance and NAESB WGQ Standard No. 3.4.1 – Transportation/Sales Invoice. Minor Correction Code Value Request: <a href="http://www.naesb.org/pdf4/wgq_mc11019.doc">http://www.naesb.org/pdf4/wgq_mc11019.doc</a></li><li>• MC11021 – For NAESB WGQ Version 2.1, add the code value ‘Reservation/Enhanced Nomination Service’ for data element “Transaction Type” in data set, Transportation/Sales Invoice (NAESB WGQ Standard No. 3.4.1). Minor Correction Code Value Request: <a href="http://www.naesb.org/pdf4/wgq_mc11021.doc">http://www.naesb.org/pdf4/wgq_mc11021.doc</a></li></ul>
4.	Review and consider for vote R10005 - Modify 5.3.26 to eliminate possible disputes over consequences associated with Bid Basis’ not selected by Releasing Shipper (super majority vote) <ul style="list-style-type: none"><li>• Recommendation: <a href="http://www.naesb.org/pdf4/r10005_rec.doc">http://www.naesb.org/pdf4/r10005_rec.doc</a></li><li>• Request for Comments: <a href="http://www.naesb.org/pdf4/wgq_071111reqcom.doc">http://www.naesb.org/pdf4/wgq_071111reqcom.doc</a></li><li>• Comments due August 11, 2011 – none received</li></ul>
5.	Review and consider for vote R09008 - Add two business conditional data elements to the Offer Upload, NAESB WGQ Standard 5.4.7 for (1) Responsibility for Out of Path Overrun and (2) Out of Path Location Changes. These data elements should be conditional in standards 5.4.1 and 5.4.3 (super majority vote) <ul style="list-style-type: none"><li>• Recommendation: <a href="http://www.naesb.org/pdf4/r09008_rec.doc">http://www.naesb.org/pdf4/r09008_rec.doc</a></li><li>• Request for Comments: <a href="http://www.naesb.org/pdf4/wgq_071111reqcom.doc">http://www.naesb.org/pdf4/wgq_071111reqcom.doc</a> (see agenda item 4 in assembled book)</li><li>• Comments due August 11, 2011 – none received</li></ul>



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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE GAS QUADRANT DRAFT AGENDA

Thursday, August 18, 2011 – 9:00 am to 3:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO

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- | # | Agenda Item |
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6. Review and consider for vote R09009- Add four business conditional data elements to the imbalance trading NAESB WGQ data sets 2.4.11—2.4.16 (super majority vote)
    - Recommendation: [http://www.naesb.org/pdf4/r09009\\_rec.doc](http://www.naesb.org/pdf4/r09009_rec.doc)
    - Request for Comments: [http://www.naesb.org/pdf4/wgq\\_071111reqcom.doc](http://www.naesb.org/pdf4/wgq_071111reqcom.doc) (see agenda item 4 in assembled book)
    - Comments due August 11, 2011 – none received
  7. Review and consider for vote 2011 WGQ Annual Plan Item 6 – Decline to implement any revisions or modification to 2006 NAESB Base Contract after industry input and discussion under Annual Plan Item 6 (Review typical industry Special Provisions to the NAESB Base Contract for consideration to be integrated into the NAESB Base Contract. Review is to include corresponding updates to other related documents (e.g. Canadian Addendum, ISDA Amendment and Model Credit Support Addendum and Frequently Asked Questions))” (simple majority vote)
    - Recommendation: [http://www.naesb.org/pdf4/wgq\\_2011\\_ap\\_6\\_rec\\_070611.doc](http://www.naesb.org/pdf4/wgq_2011_ap_6_rec_070611.doc)
    - Request for Comments: [http://www.naesb.org/pdf4/wgq\\_070611reqcom.doc](http://www.naesb.org/pdf4/wgq_070611reqcom.doc)
    - Comments due August 8, 2011 – none received
  8. Review and consider for vote R11004 (MC11001-04) - For NAESB WGQ Version 2.1, add the code values ‘Non-Renewal Charge’ and ‘AOS’ for the data element “Rate Identification Code” in data sets: Transactional Reporting – Capacity Release (NAESB WGQ Standard No. 5.4.20), Transactional Reporting – Firm Transportation (NAESB WGQ Standard No. 5.4.21), Offer (NAESB WGQ Standard No. 5.4.24), Bid (NAESB WGQ Standard No. 5.4.25) and Award Download (NAESB WGQ Standard No. 5.4.26). (super majority vote)
    - Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11001-04\\_r11004\\_rec.doc](http://www.naesb.org/pdf4/wgq_mc11001-04_r11004_rec.doc)
    - Request for Comments: [http://www.naesb.org/pdf4/wgq\\_071111reqcom.doc](http://www.naesb.org/pdf4/wgq_071111reqcom.doc) (see agenda item 4 in assembled book)
    - Comments due August 11, 2011 – none received
  9. Review and Consider C11002: Clarification or interpretation request: Clarify the effects of Bidder Lesser Quantity Indicator on the disclosure of minimum condition elements for EBB / EDI Download portion of NAESB Standard Number 5.4.25. Does the Offer’s Disclose Indicator or Releasing Shipper Lesser Quantity Indicator have any effect on the disclosure of the minimum condition elements for Bids.

As the EC meeting is taking place during the comment period, only a discussion and review is allowed. Depending on the comments received, the vote may occur notationally after the comment period concludes. The required vote is a super majority.

The portion of clarification request C11002 determined to be a request for minor correction and transferred to the Information Requirements Subcommittee has been assigned minor correction number MC11022, see agenda item 3.

    - Interpretation: [http://www.naesb.org/pdf4/c11002\\_rec.docx](http://www.naesb.org/pdf4/c11002_rec.docx)
    - Request for Comments: [http://www.naesb.org/pdf4/wgq\\_072611\\_reqcom.doc](http://www.naesb.org/pdf4/wgq_072611_reqcom.doc)
    - Comments due August 26, 2011 – none received



# North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING  
WHOLESALE GAS QUADRANT DRAFT AGENDA  
Thursday, August 18, 2011 – 9:00 am to 3:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO**

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- | #   | Agenda Item  |
|-----|--|
| 10. | <p>Review and Consider C11003: Clarification or interpretation request: Clarify the effects of Disclosure Indicator, Minimum Rate Disclosure Indicator, Releasing Shipper Lesser Quantity Indicator, and Shorter Term Indicator on the disclosure of minimum condition elements for EBB / EDI Download portion of NAESB Standard Number 5.4.24.</p> <p>As the EC meeting is taking place during the comment period, only a discussion and review is allowed. Depending on the comments received, the vote may occur notationally after the comment period concludes. The required vote is a super majority.</p> <p>The portion of clarification request C11003 determined to be a request for minor correction and transferred to the Information Requirements Subcommittee has been assigned minor correction number MC11022, see agenda item 3.</p> <ul style="list-style-type: none"><li>• Interpretation: <a href="http://www.naesb.org/pdf4/c11003_rec.docx">http://www.naesb.org/pdf4/c11003_rec.docx</a></li><li>• Request for Comments: <a href="http://www.naesb.org/pdf4/wgq_072611_reqcom.doc">http://www.naesb.org/pdf4/wgq_072611_reqcom.doc</a> (see agenda item 9 in assembled book)</li><li>• Comments due August 26, 2011 – none received</li></ul> |
| 11. | <p>Discussion on NAESB WGQ Standard No. 5.3.2 and possible need for a minor correction or request for modification:<br/><a href="http://www.naesb.org/misc/wgq_5-3-2_standard_ver2-0.doc">http://www.naesb.org/misc/wgq_5-3-2_standard_ver2-0.doc</a></p>  |
| 12. | <p>Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available):</p> <ul style="list-style-type: none"><li>• Triage Subcommittee: <a href="http://www.naesb.org/pdf4/tr072511agenda.doc">http://www.naesb.org/pdf4/tr072511agenda.doc</a> (new requests),<br/><a href="http://www.naesb.org/pdf4/tr072511disposition.docx">http://www.naesb.org/pdf4/tr072511disposition.docx</a> (disposition)</li><li>• Business Practices Subcommittee (BPS)</li><li>• Electronic Delivery Mechanisms Subcommittee (EDM)</li><li>• Information Requirements Subcommittee (IR)/Technical Subcommittee</li><li>• Interpretations Subcommittee</li><li>• Contracts Subcommittee</li></ul>   |
| 13. | <p>Publication Schedule Review</p> <ul style="list-style-type: none"><li>• Publications: WGQ Publication Schedule (Version 2.1):<br/><a href="http://www.naesb.org/misc/wgq_publication_schedule_ver2_1.doc">http://www.naesb.org/misc/wgq_publication_schedule_ver2_1.doc</a>, scheduled for July 2012</li><li>• WEQ Publication Schedule (Version 2.2): <a href="http://www.naesb.org/misc/weq_publication_schedule_ver2_2.doc">http://www.naesb.org/misc/weq_publication_schedule_ver2_2.doc</a>, scheduled for September 2011</li><li>• Retail Publication Schedule (Version 1.4): <a href="http://www.naesb.org/misc/retail_publication_schedule_ver1_4.doc">http://www.naesb.org/misc/retail_publication_schedule_ver1_4.doc</a>, scheduled for April 2012</li><li>• Individual Books Availability in New Publications</li></ul>   |
| 14. | <p>Board of Directors, Board Committee and Regulatory Updates (no votes or action to be taken):</p> <ul style="list-style-type: none"><li>• Board and Board Committee Updates – Board Meeting June 23, 2011: <a href="http://www.naesb.org/pdf4/bd062311dm.doc">http://www.naesb.org/pdf4/bd062311dm.doc</a></li><li>• Board Critical Infrastructure Efforts: <a href="http://www.naesb.org/pdf4/bd_cic_072811notes.doc">http://www.naesb.org/pdf4/bd_cic_072811notes.doc</a></li><li>• Regulatory Updates –<ul style="list-style-type: none"><li>• June 28, 2011 Filing of Minor Corrections:<br/><a href="http://www.naesb.org/pdf4/ferc_062811_wgq_minor_corrections_v1.9_2.0.pdf">http://www.naesb.org/pdf4/ferc_062811_wgq_minor_corrections_v1.9_2.0.pdf</a> (summary only in assembled book)</li></ul></li></ul>  |



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**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING  
WHOLESALE GAS QUADRANT DRAFT AGENDA  
Thursday, August 18, 2011 – 9:00 am to 3:00 pm MT  
El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO**

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# Agenda Item

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15. Other Business

- Meeting Schedule 2011: [http://www.naesb.org/misc/2011\\_schedule.doc](http://www.naesb.org/misc/2011_schedule.doc)
- Preparation for 2012 Annual Plan

Adjourn

*Attire – Business Casual*



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March 18, 2011

**TO:** NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants  
**FROM:** Cory Galik Cummings, NAESB Staff Attorney  
**RE:** Wholesale Electric Quadrant Single Topic Executive Committee Meeting Final Minutes

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**NORTH AMERICAN ENERGY STANDARDS BOARD  
WHOLESALE ELECTRIC QUADRANT  
EXECUTIVE COMMITTEE MEETING  
Tuesday, February 1, 2011 – 10:00 am to 4:00 pm Mountain  
FINAL MINUTES**

**1. Welcome**

Ms. York called the meeting to order and welcomed the Wholesale Electric Quadrant (“WEQ”) Executive Committee (“EC”) members, alternates and other participants. Ms. Cummings gave the antitrust guidance and called the roll of the WEQ EC members and alternates. Quorum was established.

**2. Consent Agenda**

Mr. Skiba moved, seconded by Mr. Pritchard, to accept the consent agenda. The consent agenda included the agenda, the proposed redlined changes submitted by Mr. Skiba for the August 17, 2010, October 22, 2010 and October 26, 2010 EC minutes and the changes to the 2011 Annual Plan to be proposed to the Board of Directors. The motion passed unanimously.

**3. Review and consider for vote WEQ 2010 Annual Plan Item 6a – Phase 2 Requirements Specifications for Common Electricity Product and Pricing Definition – NIST PAP03**

Mr. Berwager moved, seconded by Mr. Castle, to approve the [recommendation](#). The EC reviewed the recommendation and the [late subcommittee comments](#) that were received. Mr. Skiba moved to amend the motion to include the late subcommittee comments. Mr. Harshbarger seconded the motion. Mr. Berwager and Mr. Castle accepted the motion as a friendly amendment. The vote during the meeting was inconclusive and a notational ballot will be sent out to EC members who were not present at the meeting [the motion passed via the notational ballot].

**4. Review and consider for vote on WEQ 2010 Annual Plan Item 6b – Phase 2 Requirements Specifications for Common Schedule Communication Mechanism for Energy Transactions – for NIST PAP04**

Mr. Berwager moved, seconded by Mr. Gladney, to approve the [recommendation](#). The EC reviewed the recommendation and the [late subcommittee comments](#) that were received. Mr. Skiba moved to amend the motion to include the late subcommittee comments. Mr. Mickey seconded the motion. Mr. Berwager and Mr. Gladney accepted the motion as a friendly amendment. The vote during the meeting was inconclusive and a notational ballot will be sent out to EC members who were not present at the meeting [the motion passed via the notational ballot].

**5. Review and consider for vote WEQ 2010 Annual Plan Item 6 – Master Data Requirements for Standards Associated with NIST PAP03 and PAP09**

Mr. Berwager moved, seconded by Mr. Castle, to approve the [recommendation](#). The EC reviewed the recommendation and the [late subcommittee comments](#) that were received. Mr. Skiba moved to amend the motion to include the late subcommittee comments. Mr. Yeung seconded the motion. Mr. Berwager and Mr. Castle accepted the motion as a friendly amendment. The vote during the meeting was inconclusive and a notational ballot will be sent out to EC members who were not present at the meeting [the motion passed via the notational ballot].



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### 6. Review and consider for vote WEQ 2010 Annual Plan Item 6c – Phase 2 Requirements Specifications for Wholesale Standard DR Signals - for NIST PAP09

Mr. Yeung moved, seconded by Mr. Castle, to approve the [recommendation](#). The EC reviewed the recommendation and the [late subcommittee comments](#) that were received. Mr. Skiba moved to amend the motion to include the late subcommittee comments. Mr. Mickey seconded the motion. Mr. Yeung and Mr. Castle accepted the motion as a friendly amendment. The vote during the meeting was inconclusive and a notational ballot will be sent out to EC members that were not present at the meeting [the motion passed via the notational ballot].

### 7. Review WEQ 2010 Annual Plan Item 4d – Business Practice Standards for Measurement Verification of Energy Efficiency Products

The wholesale energy efficiency work group was unable to meet prior to this EC meeting to review the formal comments submitted. Once the work group has met to review the formal comments a single topic WEQ EC conference call will be scheduled to vote on the [recommendation](#) for measurement and verification of energy efficiency resources administered in the wholesale electricity markets. The purpose of the energy efficiency recommendation is to create a standardized method for quantifying the energy reduction for energy efficiency measures; lighting, appliances, industrial process improvements and building management. The standards contain energy efficiency use criteria in wholesale markets, the general requirements for the structure of a measurement and verification (M&V) plan and detailed criteria for accepted M&V methodologies.

### 8. Review and consider for vote WEQ 2010 Annual Plan Items 4a and 4b – Review and develop business practice standards to support DR and DSM-EE programs (DR Phase 2)

Mr. Yeung moved, seconded by Mr. Berwager, to approve the [recommendation](#). Mr. Skiba moved to amend the recommendation to include the [late comments](#) submitted by the wholesale demand response work group. Mr. Gladney seconded the motion. Mr. Yeung and Mr. Berwager accepted the motion as a friendly amendment. Next, Mr. Skiba moved to amend footnote 1 of the recommendation to lower case the terms ‘work product’ and ‘service.’ Mr. Pritchard seconded the motion. Mr. Yeung and Mr. Berwager accepted the motion as a friendly amendment. The vote during the meeting was inconclusive and a notational ballot will be sent out to EC members who were not present at the meeting [the motion passed via the notational ballot].

### 9. Subcommittee Updates

**Triage Subcommittee:** Ms. McQuade provided the review of [triaged items](#). Several requests were assigned to the Wholesale Gas Quadrant. [R10012](#) was a request from Reliant Energy to develop model business practices for data privacy practices. This item was linked to the Smart Grid PAP10 for energy usage information. A new task force was formed to handle this assignment and Christine Wright from the Texas PUC and Robin Lunt from NARUC have been named as the co-chairs. Their first meeting is scheduled for February 16 in Washington, DC. This item was assigned to the Retail Electric Quadrant.

**Business Practice Subcommittee:** Mr. Skiba provided the update and reviewed his [power point presentation](#). Ms. McQuade asked if the complexities of standards development cause a due date to slip, would it be possible to have a secondary solution before the long-term solution is developed, or is the interim solution to remain in place until the final solution is complete. Mr. Skiba answered that his opinion was that the interim solution will remain in place until a permanent solution is finalized. Mr. Pritchard noted that an issue was being raised about the NAESB policy that a subcommittee should not address policy issues without direction from the Board, in this case the two-tiered curtailment issue. Ms. York responded that the issue could be raised with the Managing Committee and NAESB General Counsel, Bill Boswell, would be part of that discussion. Mr. Skiba replied that the subcommittee would be meeting this month to try to flush out these issues prior to involving the Managing Committee.

**DSM-EE Subcommittee:** The wholesale energy efficiency work group scheduled two meetings on February 15 and 17 to address the formal comments received on the recommendation. Once those comments have been addressed a single topic conference call will be scheduled for the WEQ EC to review and vote on the recommendation. The Retail Electric Quadrant will meet tomorrow to vote on the phase two retail demand response recommendation. The retail energy efficiency work group continued to draft their recommendation. Phil Precht worked to clean up the



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document and created a work paper of questions to help guide the development of the model business practices. The next meeting is scheduled for February 7, 2011.

OASIS Subcommittee: Mr. Wood provided the update and reviewed his [power point presentation](#). The subcommittee continued to work to finish both the NITS and SAMTS recommendations. The subcommittee created a task force to address the provisionally denied issue that was presented in the scoping document. It was determined that the provisionally denied state would not be pursued because the complexity of the issue would cause further delays in finalizing the recommendation. Instead, the task force revised the scoping document to address the customer concern regarding loss of queue position for requests that are queued after the link request. The EC reviewed the [revised scope document](#). Mr. Gladney moved, seconded by Mr. Pritchard, to adopt the revised scope. The motion passed without opposition.

Joint Electric Scheduling Subcommittee (JESS): Mr. Harshbarger provided the update. The JESS met in November in Houston to work on revisions to WEQ-004, which is linked to NERC project 2008-12. The JESS is waiting for progress on the NERC side before the JESS can continue their efforts. They also briefly reviewed the eTag specifications in order to determine the necessary language to support the full implementation of PKI. Also, OATI was selected as the Electric Industry Registry Administrator. The JESS co-chairs, Mr. Harshbarger and Clint Aymond, had an opportunity to review the functional specifications of the webRegistry and provided feedback. That feedback will be reviewed during an upcoming conference call with OATI.

Standards Review Subcommittee (SRS): Mr. Skiba provided the update and presented a [power point presentation](#). He also reviewed the [revised SRS scope](#). Mr. Gladney moved, seconded by Mr. Pritchard, to adopt the revised scope. The motion passed without opposition.

Smart Grid Efforts: Mr. Booe provided the update. Since the last WEQ EC meeting, both the WEQ and REQ Priority Action Plan (PAP) 10 recommendations were ratified by the membership to become final actions. These final actions were reviewed by the Smart Grid Interoperability Panel (SGIP) PAP 10 Working Group during the Grid-Interop conference in Chicago in early December and approved for submission to the SGIP Governing Board. On January 13, 2011 the SGIP Governing Board began their evaluation process of the standards, which were being considered for inclusion in the NIST catalog of standards to be sent to FERC. The Energy Services Provider Interface Task Force continued to meet every two weeks to develop a recommendation in response to REQ AP Item 9.e (the standardization of the Open ADE specification). The Task Force had a draft recommendation under review but development had taken longer than originally expected and the Task Force co-chairs requested an extension for completion through the 2<sup>nd</sup> Quarter. The REQ created a new Task Force of the Smart Grid Standards Development Subcommittee on PAP 10 to address request R10012. The request called for the development of model business practices that will set forth standards for the release of consumer information to third parties and the privacy policies and practices those third parties should employ. This request was submitted by Reliant, with the support of NARUC, in response to a number of reports from various state commissions, the Department of Energy and the NIST inter agency report on security. The first meeting was scheduled for Wednesday, February 16, 2011 in Washington DC in conjunction with the Winter NARUC meeting.

### 10. Publication Schedule

Ms. Rager provided a review of the [WEQ publication schedule](#), which was due to be released on June 30, 2011.

### 11. Board of Directors, Board Committee and Regulatory Updates

Board Updates: Ms. McQuade encouraged participants to review the [minutes](#) from the December 9, 2010 Board of Directors meeting. During that meeting the Board approved the 2011 Annual Plans and the budget.

Regulatory Efforts: Mr. Booe noted that he attended the FERC Technical Conference on the first standards sent from NIST to FERC related to Smart Grid. The standards contained five suites of IEC standards. Two panels



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convened with 13 panelists and they were asked whether or not consensus had been reached through the NIST process; all 13 panelists said that consensus had not been properly vetted.

Wholesale Gas and Wholesale Electric Activities: The [WGQ 2011 Annual Plan](#) and the [Retail 2011 Annual Plan](#) were reviewed.

### **12. Other Business**

Ms. McQuade urged participants to review the [2011 schedule](#).

### **13. Adjourn**

Mr. Wood moved, seconded by Mr. Bean, to adjourn the meeting at 12:54 pm Mountain.



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### 14. Attendance

S – indicates an affirmative vote, O – indicates a vote in opposition, A – indicates an abstention, NB – indicates a vote cast through notational ballot and a blank cell indicates that the voter did not vote. The motions from which the voting results are detailed below are noted in the minutes.

TRANSMISSION SEGMENT		ATTENDANCE	WEQ 2010 AP Item 6(a)	WEQ 2010 AP Item 6(b)	WEQ 2010 AP Item 6 6(c)	WEQ 2010 AP Item 6(c)	WEQ 2010 AP Items 4(a) and 4(b)
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	Phone	S	S	S	S	S
JT Wood for Corey Sellers	Transmission Service Manager, Southern Company	In Person	S	S	S	S	S
Narinder Saini for Edward Davis	Policy Consultant, Entergy Services, Inc.	In Person	S	S	S	S	S
Robert Bean	Transmission Services Trading Section Leader, Arizona Public Service Company	In Person	S	S	S	S	S
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	In Person	S	S	S	S	S
Michelle Mizumori	Director of Market – Operations Interface, Western Electricity Coordinating Council (WECC)	In Person	S	S	S	S	S
GENERATION SEGMENT							
William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority		S (NB)	S (NB)	S (NB)	S (NB)	S (NB)
<b>Kathy York</b>	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	In Person	S	S	S	S	S
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	In Person	S	S	S	S	S
<b>Alan Johnson</b>	Director Regulatory Compliance – Commercial Operations & Commodities, NRG Energy, Inc.	Phone	S	S	S	S	A
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	Phone	S	S	S	S	S
MARKETERS/BROKERS SEGMENT							
Chris Norton	Director of Market Regulatory Affairs, American Municipal Power, Inc.	Phone	S	S	S	S	S
Valerie Crockett for Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	Phone	S	S	S	S	S
Richard Lehman	Supply and Trading, Salt River Project						
John Apperson	Director – Commercial and Trading, PacifiCorp Energy						
Roy True	Manager of Regulatory and Market Affairs, ACES Power Marketing		S (NB)	S (NB)	S (NB)	S (NB)	S (NB)
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	Phone					



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### DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT

Ray Phillips	Manager of Compliance and Special Projects, Alabama Municipal Electric Authority							
Robert S. Beadle	Senior Engineer, Duke Energy Corporation	In Person	S	S	S	S	S	S
Alan Pritchard	Senior Engineer, Duke Energy Corporation	In Person	S	S	S	S	S	S
Rufus D. Gladney	Executive Manager of Energy Services West, Consumers Energy Company	In Person	S	S	S	S	S	S
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	Phone	S	S	S	S	S	S
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	In Person	S	S	S	S	S	S
Andy Rodriquez	Manager of Business Practice Coordination, NERC							

### END USERS SEGMENT

Aaron Breidenbaugh	Senior Manager - Regulatory Affairs and Public Policy - New York, EnerNOC, Inc.							
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners							
Jesse D. Hurley	Chief Executive Officer, Shift Research, LLC	Phone						
Paul Sorenson	Vice President - Central Markets Strategy, Open Access Technology International, Inc.	In Person	S	S	S	S	S	S

### INDEPENDENT GRID OPERATORS/PLANNERS

Cathy Wesley for Thomas Bowe	Executive Director – Reliability Integration, PJM Interconnection, LLC		S	S	S	S	S	S
Jim Castle	Manager - Grid Operations, New York Independent System Operator, Inc.	In Person	S	S	S	S	S	S
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.							
Nancy Traweek	Director – Market Services, California ISO							
Joel Mickey	Director of Grid Operations, Electric Reliability Council of Texas	In Person	S	S	S	S	S	S
Ed Skiba	Consulting Advisor, Standards Compliance & Strategy, Midwest ISO	In Person	S	S	S	S	S	S
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	In Person	S	S	S	S	S	S

### TECHNOLOGY AND SERVICES

Jim Buccigross	Vice President Energy Industry Practice, 8760, Inc.	Phone	S	S	S	S	S	S
Andy Tritch	Senior Business Analyst, SunGard							



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### Other Participant Attendance

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Participant	Organization	Attendance
Jonathan Booe	NAESB	In Person
Ernie Cardone	NYISO	Phone
Cory Cummings	NAESB	In Person
Chuck Feagans	TVA	Phone
Marilyn Franz	NV Energy	Phone
Michele Greening	PPL Energy Plus	Phone
Ryn Hamilton	Consultant to SCE	Phone
Marie Knox	Midwest ISO	In Person
Lou Oberski	Dominion	In Person
James Manning	NCEMC	In Person
Rae McQuade	NAESB	In Person
Marie Pieniazek	Energy Curtailment Services	Phone
Donna Pratt	NY ISO	Phone
Jim Templeton	Comprehensive Energy Services	Phone
Veronica Thomason	NAESB	In Person
Jill Vaughn	Court Reporter	In Person
Paul Wattles	ERCOT	Phone
Eric Winkler	ISO New England	Phone
Jimmy Womack	SPP	In Person



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April 19, 2011

**TO:** NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants  
**FROM:** Cory Galik Cummings, NAESB Staff Attorney  
**RE:** Wholesale Electric Quadrant Single Topic Executive Committee Meeting Draft Minutes

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**NORTH AMERICAN ENERGY STANDARDS BOARD  
WHOLESALE ELECTRIC QUADRANT  
EXECUTIVE COMMITTEE MEETING  
Monday, March 21, 2011 – 9:30 am to 11:30 am Central  
DRAFT MINUTES**

**1. Welcome**

Ms. York called the meeting to order and welcomed the Wholesale Electric Quadrant (“WEQ”) Executive Committee (“EC”) members, alternates and other participants. Ms. Cummings gave the antitrust guidance and called the roll of the WEQ EC members and alternates. Quorum was not met until 10:05 am Central, at which point the meeting switched from a working session to a meeting.

**2. Review and Vote of Recommendation by subcommittee leadership with Q&A from attendees**

Mr. Winkler, as the chair of the wholesale energy efficiency work group, summarized the work group activities. The group began drafting the recommendation in 2010 to satisfy the annual plan. It went through the normal working process and was adopted by the DSM-EE subcommittee in December. Once approved by the subcommittee, it went out for formal comments. The formal comment process generated four comments. The work group met to discuss the formal comments and created a matrix with the comments that were submitted, as well as the work group responses. The work group late formal comments resulted from this discussion. One contentious item was brought up during the formal comment review that was not submitted as a formal comment. It had been submitted and discussed during the informal comment period and was not accepted by the work group. It was again discussed during the DSM-EE subcommittee meeting and was not accepted. It was not addressed during the formal comment period until the work group met. The standards were primarily based on programs administered by ISO New England and PJM for the wholesale market.

At 10:05 am Central, the working session became a meeting as quorum was reached. Ms. Wesley moved, seconded by Mr. Johnson, to adopt the [recommendation](#). Mr. Skiba moved to adopt the [late formal comments](#) submitted by the work group. Mr. Yeung seconded the motion. The motion passed a simple majority vote without opposition.

During discussion on possible modifications to the recommendation, Ms. Titus provided background information on her [late formal comments](#), which asked for the removal of section 020-3.11.1.9:

*“Any measurement or monitoring equipment for proxy variables that does not directly measure electrical demand, including but not limited to voltage, current, temperature, flow rates and operating hours, shall have an accuracy within  $\pm 2\%$  unless otherwise provided in the Governing Documents.”*

The issue was first addressed in the stakeholder process while developing the ISO New England manual, and subsequently discussed when the PJM manual was developed. As a result of the PJM stakeholder process, PJM deleted this paragraph in the manual. The issue was raised numerous times during the NAESB standards development effort. Those wanting the standard removed noted that the provision was unnecessary to get an accurate measurement and would substantially increase the cost of compliance with no corresponding increase in accuracy. Ms. Wesley noted that while PJM did not include the percentage requirement in its manual, it supported the inclusion of the percentage in the standard. Mr. Winkler stated that the issue of proxy measurement equipment accuracy was vetted through the ISO New England stakeholder process more than four years ago. All of the commenters that want the section removed currently do already comply with the requirement. Mr. Winkler noted



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that issue did not merit further changes to the work group's recommendation. Ms. Titus stated that she did not want a requirement in the northeast to burden the rest of the country.

There was no motion from a WEQ EC member to accept NEEP's late formal comments to remove this section.

Next in consideration of amendments to the motion to accept the recommendation, the EC reviewed Mr. Skiba's grammatical comments. During discussions, comments 3, 5 and 9 were removed. Mr. Skiba moved to accept his comments 1, 2, 4, 6, 7 and 8, seconded by Mr. Hurley. The motion passed a simple majority vote.

A roll call vote on the main motion was inconclusive. The recommendation was sent out for a notational ballot to those WEQ EC members not present and not represented by an alternate.

### **3. Adjourn**

Mr. True moved to adjourn the meeting at 11:22 am Central.



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## 10. Attendance

### NORTH AMERICAN ENERGY STANDARDS BOARD WEQ EXECUTIVE COMMITTEE

VOTES			
S – indicates an affirmative vote, O – indicates a vote in opposition, A – indicates an abstention, NB – indicates a vote cast through notational ballot and a blank cell indicates that the voter did not vote. The motions from which the voting results are detailed below are noted in the minutes.			
ATTENDANCE	TRANSMISSION SEGMENT		WEQ 2010 AP ITEM 4(D)
	Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	
Phone	JT Wood for Corey Sellers	Transmission Service Manager, Southern Company	S
Phone	Edward Davis	Policy Consultant, Entergy Services, Inc.	S
	Robert Bean	Transmission Services Trading Section Leader, Arizona Public Service Company	S (NB)
Phone	Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	S
	Michelle Mizumori	Director of Market – Operations Interface, Western Electricity Coordinating Council (WECC)	
GENERATION SEGMENT			
Phone	William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority	S
Phone	<b>Kathy York</b>	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	S
Phone	John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	S
Phone	<b>Alan Johnson</b>	Director Regulatory Compliance – Commercial Operations & Commodities, NRG Energy, Inc.	S
	Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	S (NB)
MARKETERS/BROKERS SEGMENT			
Phone	Chris Norton	Director of Market Regulatory Affairs, American Municipal Power, Inc.	S
Phone	Valerie Crockett for Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	S
	Richard Lehman	Supply and Trading, Salt River Project	S (NB)
	John Apperson	Director – Commercial and Trading, PacifiCorp Energy	A (NB)
Phone	Roy True	Manager of Regulatory and Market Affairs, ACES Power Marketing	S
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT			SUBSEGMENT:
	Ray Phillips	Manager of Compliance and Special Projects, Alabama Municipal Electric Authority	
Phone	Robert S. Beadle	Senior Engineer, Duke Energy Corporation	S
	Alan Pritchard	Senior Engineer, Duke Energy Corporation	
	Rufus D. Gladney	Executive Manager of Energy Services West, Consumers Energy Company	
	Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	S (NB)
	Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	
	David Taylor	Director of Standards Regulatory Compliance, North American Electric Reliability Corporation (NERC)	S (NB)
END USERS SEGMENT			SUBSEGMENT:
	Aaron Breidenbaugh	Senior Manager - Regulatory Affairs and Public Policy - New York, EnerNOC, Inc.	O (NB)
	Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	



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### NORTH AMERICAN ENERGY STANDARDS BOARD WEQ EXECUTIVE COMMITTEE

**VOTES** S – indicates an affirmative vote, O – indicates a vote in opposition, A – indicates an abstention, NB – indicates a vote cast through notational ballot and a blank cell indicates that the voter did not vote. The motions for which the voting results are detailed below are noted in the minutes.

ATTENDANCE	TRANSMISSION SEGMENT		WEQ 2010 AP ITEM 4(D)
Phone	Jesse D. Hurley	Chief Executive Officer, Shift Research, LLC	S
	Paul Sorenson	Vice President - Central Markets Strategy, Open Access Technology International, Inc.	S (NB)
INDEPENDENT GRID OPERATORS/PLANNERS SEGMENT			
Phone	Cathy Wesley for Thomas Bowe	Executive Director – Reliability Integration, PJM Interconnection, LLC	S
Phone	Jim Castle	Manager - Grid Operations, New York Independent System Operator, Inc.	S
Phone	Eric Winkler for Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	S
	Gregory Van Pelt	Operations Regional Coordination and Records, California ISO	S (NB)
	Joel Mickey	Director of Grid Operations, Electric Reliability Council of Texas	
Phone	Ed Skiba	Consulting Advisor, Standards Compliance & Strategy, Midwest ISO	S
Phone	Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	S
TECHNOLOGY AND SERVICES			
Phone	Jim Buccigross	Vice President Energy Industry Practice, 8760, Inc.	S
	Andy Tritch	Senior Business Analyst, SunGard	



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### Other Participant Attendance

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Participant	Organization	Attendance
Cory Cummings	NAESB	In Person
Chuck Feagans	TVA	Phone
Gene Fry	Northeast Utilities	Phone
Kevin Galligan	Cape Light Compact	Phone
Ryn Hamilton	Consultant to SCE	Phone
David Korn	The Cadmus Group	Phone
James Manning	NCEMC	Phone
Mark Martinez	Southern California Edison	Phone
Rae McQuade	NAESB	In Person
Denise Rager	NAESB	Phone
Pam Stonier	Vermont Public Service Board	Phone
John Stoops	KEMA	Phone
Veronica Thomason	NAESB	In Person
Elizabeth Titus	NEEP	Phone
Jill Vaughn	Court Reporter	In Person
Steve Waite		Phone



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July 26, 2011

**TO:** NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants  
**FROM:** Cory Galik Cummings, NAESB Staff Attorney  
**RE:** Wholesale Electric Quadrant Single Topic Executive Committee for WEQ 2011 Annual Plan Nos. 2.a.iii.1 through 2.a.iii.3: Service Across Multiple Transmission Systems Meeting Draft Minutes

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**NORTH AMERICAN ENERGY STANDARDS BOARD  
WHOLESALE ELECTRIC QUADRANT  
EXECUTIVE COMMITTEE MEETING  
Thursday, June 30, 2011 – 10:00 am to 5:00 pm Central  
DRAFT MINUTES**

**1. Welcome**

Mr. Castle called the meeting to order and welcomed the Wholesale Electric Quadrant (“WEQ”) Executive Committee (“EC”) members, alternates and other participants. Ms. Cummings gave the antitrust guidance and called the roll of the WEQ EC members and alternates. Quorum was established.

**2. Review of Recommendation, Consideration of Comments and Vote**

Mr. Pritchard moved, seconded by Mr. True, to approve the Service Across Multiple Transmission Systems (SAMTS) [recommendation](#).

Mr. Berwager moved, seconded by Mr. Feagans, to amend the recommendation with the BPS comments. Mr. Gallagher suggested that the redlined recommendation as submitted by the OASIS subcommittee be discussed and approved first so that additional amendments could be made to the redlined version, rather than the original recommendation. Mr. Berwager agreed to withdraw his motion until after the OASIS redlines were discussed.

Mr. Gallagher moved, seconded by Mr. Skiba, to amend the original recommendation with [the OASIS subcommittee’s redlines](#). Mr. Wood explained that the OASIS subcommittee reviewed the comments that were submitted during the formal comment period and applied the changes it found to be appropriate. Mr. Davis asked if there was documentation of the subcommittee’s discussions on the comments. Mr. Wood responded that the documentation he was looking for was posted as a [work paper](#) for the June 20 OASIS conference call. The motion passed without opposition.

Next, Mr. Skiba reviewed [his comments](#) based on the OASIS subcommittee’s redlines. He reviewed each comment, to see which had no opposition; he was willing to withdraw those that garnered opposition. Mr. Skiba moved to amend the recommendation to adopt the following late comments: General Comments 1, 2, 3, 4; WEQ-000 comment 1; WEQ-001 comments 1, 2, 3; WEQ-002 comment 1; WEQ-003 comment 5 and 1 with the addition of deleting zero as a restricted value; WEQ-013 comments 1, 2, 3. Mr. Johnson seconded the motion, which passed without objection.

Mr. Berwager moved, seconded by Ms. Nulph, to incorporate the specific changes recommended by [BPA](#) in its comments submitted on June 10, 2011. Ms. Nulph reviewed those comments. One of the more significant comments addressed simplification of the rules for Coordinated Groups and Coordinated Requests, as the comment included a position that the FERC Order No. 890 did not address filling gaps for existing reservations but rather that there should be a prevention for the gaps going forward. However, the subcommittee had noted that it was contained within the scope of work approved by the WEQ EC. The comments provided that the inclusion of the existing reservations makes the proposed standards more complicated than necessary to meet the requirements of FERC Order No. 890. During the discussion on the BPA comments it was highlighted that should the BPA comments be accepted, the EC would then either review the recommendation and make conforming modifications beyond those included in BPA’s comments, or send the recommendation back to the subcommittee for the conforming changes, which would include at a minimum the references in the new appendix. It was further noted in



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the discussion that the scope of work given to the subcommittee specified that the coordinated request was not required to be contiguous, but the subcommittee decided that contiguity was necessary in order to prevent gaming. In order for the contiguity requirement to be implemented, there should be a mechanism for showing that there was a full contract path available. The reservations were included in order to show the full contract path available to the customer, if it were approved. A reservation has no bearing on the approval of the subsequent request, nor does a reservation provide any mechanism for modifying the capacity requested or created on the coordinated request. Ms. Nulph responded that while she understood the explanation provided, BPA believed that there was a simpler way to obtain contiguity. Following a more technical discussion on that comment, Ms. Nulph reviewed the rest of BPA's comments. A roll call simple majority vote was held on the amendment. The amendment failed, with 16 in opposition, four abstentions and three in support.

Mr. Skiba moved, seconded by Ms. Wesley, to remove the process boxes that state, "adjust ATC" from figure yyyy. The motion passed without opposition.

Ms. Wesley noted that, while PJM supports the overall concept of the recommendation, she does not support the recommendation because it includes monthly transactions, which was not something that PJM sees value in including.

The vote during the meeting was inconclusive and a notational ballot was sent out to EC members who were not present at the meeting, [The super majority motion passed after the notational ballot was distributed to absent EC members who were not represented by an alternate. A total of 28 affirmative votes were cast out of a total of 40 possible votes yielding 70%, with at least 40% in favor for each fully populated segment].

### **3. Other Business**

There was no other business discussed.

### **4. Adjourn**

Mr. True moved to adjourn the meeting at 12:48 pm Central.



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### 14. Attendance

S – indicates an affirmative vote, O – indicates a vote in opposition, A – indicates an abstention, NB – indicates a vote cast through notational ballot and a blank cell indicates that the voter did not vote. The motions from which the voting results are detailed below are noted in the minutes.

TRANSMISSION SEGMENT		SUBSEGMENT	ATTENDANCE	VOTE
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	Muni/Coop	Phone	Support
Chuck Feagans	Manager – Operations Performance and Standards, Tennessee Valley Authority	Fed/State/Prov	Phone	Support
Corey Sellers	Transmission Service Manager, Southern Company	IOU	Phone	Support
Edward Davis	Policy Consultant, Entergy Services, Inc.	IOU	Phone	Support
Abbey Nulph for Robert Bean	Transmission Services Trading Section Leader, Arizona Public Service Company	at large	Phone	Opposed
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	at large	Absent	Opposed (NB)
Michelle Mizumori	Director of Market – Operations Interface, Western Electricity Coordinating Council (WECC)	At-Large	Absent	
<b>GENERATION SEGMENT</b>				
William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority	Muni/Coop	Phone	Support
<b>Kathy York</b>	Senior Program Manager – Energy Markets, Policy, and Compliance Reporting, Tennessee Valley Authority	Fed/State/Prov	Phone	Support
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	IOU	Phone	Support
Alan Johnson	Director Regulatory Compliance – Commercial Operations & Commodities, NRG Energy, Inc.	Merchant	Phone	Support
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	at large	Absent	Abstain (NB)
<b>MARKETERS/BROKERS SEGMENT</b>				
Chris Norton	Director of Market Regulatory Affairs, American Municipal Power, Inc.	Muni/Coop	Phone	Support
Valerie Crockett for Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	Fed/State/Prov	Absent	Support (NB)
David Lemmons	Senior Manager – Market Operations, Xcel Energy, Inc.	Not IOU Affiliated	Absent	Support (NB)
Richard Lehman	Supply and Trading, Salt River Project	at large	Absent	Support (NB)
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	IOU	Absent	Support (NB)
Roy True	Manager of Regulatory and Market Affairs, ACES Power Marketing	at large	Phone	Support



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<b>DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>	<b>TERM END:</b>	<b>VOTE</b>
Shannon Jones	Market Affairs Specialist, Manitoba Hydro	at large Absent
Ray Phillips	Manager of Compliance and Special Projects, Alabama Municipal Electric Authority	Muni/Coop Absent Support (NB)
Robert (Bob) S. Beadle	Manager – Transmission Resources, North Carolina Electric Membership Corporation	at large Phone Support
Alan Pritchard	Senior Engineer, Duke Energy Corporation	IOU Phone Support
Rufus D. Gladney	Executive Manager of Energy Services West, Consumers Energy Company	IOU Absent
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	at large Phone Support
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	Other Phone Opposed
David Taylor	Director of Standards Regulatory Compliance, North American Electric Reliability Corporation (NERC)	At-Large Phone Support
<b>END USERS SEGMENT</b>		
Pam Stonier	Utilities Analyst, Vermont Public Service Board	at large Absent Abstain (NB)
Aaron Breidenbaugh	Senior Manager - Regulatory Affairs and Public Policy - New York, EnerNOC, Inc.	at large Absent Support (NB)
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	Regulator Absent Support (NB)
Jesse D. Hurley	Chief Executive Officer, Shift Research, LLC	at large Absent Support (NB)
Mark Hackney for Paul Sorenson	Vice President - Central Markets Strategy, Open Access Technology International, Inc.	At-Large Phone Support
<b>INDEPENDENT GRID OPERATORS/PLANNERS</b>		
Cathy Wesley for Thomas Bowe	Executive Director – Reliability Integration, PJM Interconnection, LLC	Phone Opposed
<b>Jim Castle</b>	Manager - Grid Operations, New York Independent System Operator, Inc.	Phone Support
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	Phone Support
Gregory Van Pelt	Operations Regional Coordination and Records, California ISO	Absent
Joel Mickey	Director of Grid Operations, Electric Reliability Council of Texas	Absent Support (NB)
Ed Skiba	Consulting Advisor, Standards Compliance & Strategy, Midwest ISO	Phone Support
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	Phone Opposed



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<b>TECHNOLOGY AND SERVICES</b>			<b>Vote</b>
Jim Buccigross	Vice President Energy Industry Practice, 8760 Inc.	Absent	Support (NB)
Andy Tritch	Senior Business Analyst, SunGard	Absent	



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### Other Participant Attendance

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Participant	Organization	Attendance
Jennella Battles	NV Energy	Phone
Cory Cummings	NAESB	In Person
James Manning	NCEMC	In Person
Rae McQuade	NAESB	In Person
Veronica Thomason	NAESB	In Person
Jill Vaughn	Court Reporter	In Person
Tyler Young	Manitoba Hydro	Phone



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July 26, 2011

**TO:** NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants  
**FROM:** Cory Galik Cummings, NAESB Staff Attorney  
**RE:** Wholesale Electric Quadrant Single Topic Executive Committee for WEQ 2011 Annual Plan Nos. 2.a.iii.1 through 2.a.iii.3: Service Across Multiple Transmission Systems Meeting Draft Minutes

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**NORTH AMERICAN ENERGY STANDARDS BOARD  
WHOLESALE ELECTRIC QUADRANT  
EXECUTIVE COMMITTEE MEETING  
Thursday, June 30, 2011 – 10:00 am to 5:00 pm Central  
DRAFT MINUTES**

**1. Welcome**

Mr. Castle called the meeting to order and welcomed the Wholesale Electric Quadrant (“WEQ”) Executive Committee (“EC”) members, alternates and other participants. Ms. Cummings gave the antitrust guidance and called the roll of the WEQ EC members and alternates. Quorum was established.

**2. Review of Recommendation, Consideration of Comments and Vote**

Mr. Pritchard moved, seconded by Mr. True, to approve the Service Across Multiple Transmission Systems (SAMTS) [recommendation](#).

Mr. Berwager moved, seconded by Mr. Feagans, to amend the recommendation with the ~~BPS~~-BPA comments. Mr. Gallagher suggested that the redlined recommendation as submitted by the OASIS subcommittee be discussed and approved first so that additional amendments could be made to the redlined version, rather than the original recommendation. Mr. Berwager agreed to withdraw his motion until after the OASIS redlines were discussed.

Mr. Gallagher moved, seconded by Mr. Skiba, to amend the original recommendation with [the OASIS subcommittee’s redlines](#). Mr. Wood explained that the OASIS subcommittee reviewed the comments that were submitted during the formal comment period and applied the changes it found to be appropriate. Mr. Davis asked if there was documentation of the subcommittee’s discussions on the comments. Mr. Wood responded that the documentation he was looking for was posted as a [work paper](#) for the June 20 OASIS conference call. The motion passed without opposition.

Next, Mr. Skiba reviewed [his comments](#) based on the OASIS subcommittee’s redlines. He reviewed each comment, to see which had no opposition; he was willing to withdraw those that garnered opposition. Mr. Skiba moved to amend the recommendation to adopt the following late comments: General Comments 1, 2, 3, 4; WEQ-000 comment 1; WEQ-001 comments 1, 2, 3; WEQ-002 comment 1; WEQ-003 comment 5 and 1 with the addition of deleting zero as a restricted value; WEQ-013 comments 1, 2, 3. Mr. Johnson seconded the motion, which passed without objection.

Mr. Berwager moved, seconded by Ms. Nulph, to incorporate the specific changes recommended by [BPA](#) in its comments submitted on June 10, 2011. Ms. Nulph reviewed those comments. One of the more significant comments addressed simplification of the rules for Coordinated Groups and Coordinated Requests, as the comment included a position that the FERC Order No. 890 did not address filling gaps for existing reservations but rather that there should be a prevention for the gaps going forward. However, the subcommittee had noted that it was contained within the scope of work approved by the WEQ EC. The comments provided that the inclusion of the existing reservations makes the proposed standards more complicated than necessary to meet the requirements of FERC Order No. 890. During the discussion on the BPA comments it was highlighted that should the BPA comments be accepted, the EC would then either review the recommendation and make conforming modifications beyond those included in BPA’s comments, or send the recommendation back to the subcommittee for the conforming changes, which would include at a minimum the references in the new appendix. It was further noted in



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the discussion that the scope of work given to the subcommittee specified that the coordinated request was not required to be contiguous, but the subcommittee decided that contiguity was necessary in order to prevent gaming. In order for the contiguity requirement to be implemented, there should be a mechanism for showing that there was a full contract path available. The reservations were included in order to show the full contract path available to the customer, if it were approved. A reservation has no bearing on the approval of the subsequent request, nor does a reservation provide any mechanism for modifying the capacity requested or created on the coordinated request. Ms. Nulph responded that while she understood the explanation provided, BPA believed that there was a simpler way to obtain contiguity. Following a more technical discussion on that comment, Ms. Nulph reviewed the rest of BPA's comments. A roll call simple majority vote was held on the amendment. The amendment failed, with 16 in opposition, four abstentions and three in support.

Mr. Skiba moved, seconded by Ms. Wesley, to remove the process boxes that state, "adjust ATC" from figure yyyy. The motion passed without opposition.

Ms. Wesley noted that, while PJM supports the overall concept of the recommendation, she does not support the recommendation because it includes monthly transactions, which was not something that PJM sees value in including.

The vote during the meeting was inconclusive and a notational ballot was sent out to EC members who were not present at the meeting, [The super majority motion passed after the notational ballot was distributed to absent EC members who were not represented by an alternate. A total of 28 affirmative votes were cast out of a total of 40 possible votes yielding 70%, with at least 40% in favor for each fully populated segment].

### **3. Other Business**

There was no other business discussed.

### **4. Adjourn**

Mr. True moved to adjourn the meeting at 12:48 pm Central.



## North American Energy Standards Board

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### 14. Attendance

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TRANSMISSION SEGMENT		SUBSEGMENT	ATTENDANCE	VOTE
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	Muni/Coop	Phone	Support
Chuck Feagans	Manager – Operations Performance and Standards, Tennessee Valley Authority	Fed/State/Prov	Phone	Support
Corey Sellers	Transmission Service Manager, Southern Company	IOU	Phone	Support
Edward Davis	Policy Consultant, Entergy Services, Inc.	IOU	Phone	Support
Abbey Nulph for Robert Bean	Transmission Services Trading Section Leader, Arizona Public Service Company	at large	Phone	Opposed
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	at large	Absent	Opposed (NB)
Michelle Mizumori	Director of Market – Operations Interface, Western Electricity Coordinating Council (WECC)	At-Large	Absent	
<b>GENERATION SEGMENT</b>				
William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority	Muni/Coop	Phone	Support
<b>Kathy York</b>	Senior Program Manager – Energy Markets, Policy, and Compliance Reporting, Tennessee Valley Authority	Fed/State/Prov	Phone	Support
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	IOU	Phone	Support
Alan Johnson	Director Regulatory Compliance – Commercial Operations & Commodities, NRG Energy, Inc.	Merchant	Phone	Support
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	at large	Absent	Abstain (NB)
<b>MARKETERS/BROKERS SEGMENT</b>				
Chris Norton	Director of Market Regulatory Affairs, American Municipal Power, Inc.	Muni/Coop	Phone	Support
Valerie Crockett for Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	Fed/State/Prov	Absent	Support (NB)
David Lemmons	Senior Manager – Market Operations, Xcel Energy, Inc.	Not IOU Affiliated	Absent	Support (NB)
Richard Lehman	Supply and Trading, Salt River Project	at large	Absent	Support (NB)
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	IOU	Absent	Support (NB)
Roy True	Manager of Regulatory and Market Affairs, ACES Power Marketing	at large	Phone	Support



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801 Travis, Suite 1675, Houston, Texas 77002  
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<b>DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>	<b>TERM END:</b>	<b>VOTE</b>
Shannon Jones Market Affairs Specialist, Manitoba Hydro	at large	Absent
Ray Phillips Manager of Compliance and Special Projects, Alabama Municipal Electric Authority	Muni/Coop	Absent Support (NB)
Robert (Bob) S. Beadle Manager – Transmission Resources, North Carolina Electric Membership Corporation	at large	Phone Support
Alan Pritchard Senior Engineer, Duke Energy Corporation	IOU	Phone Support
Rufus D. Gladney Executive Manager of Energy Services West, Consumers Energy Company	IOU	Absent
Robert Martinko Consultant FERC Compliance, FirstEnergy Service Company	at large	Phone Support
Syd Berwager Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	Other	Phone Opposed
David Taylor Director of Standards Regulatory Compliance, North American Electric Reliability Corporation (NERC)	At-Large	Phone Support
<b>END USERS SEGMENT</b>		
Pam Stonier Utilities Analyst, Vermont Public Service Board	at large	Absent Abstain (NB)
Aaron Breidenbaugh Senior Manager - Regulatory Affairs and Public Policy - New York, EnerNOC, Inc.	at large	Absent Support (NB)
Lou Ann Westerfield Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	Regulator	Absent Support (NB)
Jesse D. Hurley Chief Executive Officer, Shift Research, LLC	at large	Absent Support (NB)
Mark Hackney for Paul Sorenson Vice President - Central Markets Strategy, Open Access Technology International, Inc.	At-Large	Phone Support
<b>INDEPENDENT GRID OPERATORS/PLANNERS</b>		
Cathy Wesley for Thomas Bowe Executive Director – Reliability Integration, PJM Interconnection, LLC		Phone Opposed
<b>Jim Castle</b> Manager - Grid Operations, New York Independent System Operator, Inc.		Phone Support
Matt Goldberg Director Reliability & Operations Compliance ISO New England, Inc.		Phone Support
Gregory Van Pelt Operations Regional Coordination and Records, California ISO		Absent
Joel Mickey Director of Grid Operations, Electric Reliability Council of Texas		Absent Support (NB)
Ed Skiba Consulting Advisor, Standards Compliance & Strategy, Midwest ISO		Phone Support
Charles Yeung Executive Director Interregional Affairs, Southwest Power Pool		Phone Opposed



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<b>TECHNOLOGY AND SERVICES</b>			<b>Vote</b>
Jim Buccigross	Vice President Energy Industry Practice, 8760 Inc.	Absent	Support (NB)
Andy Tritch	Senior Business Analyst, SunGard	Absent	



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### Other Participant Attendance

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Participant	Organization	Attendance
Jennella Battles	NV Energy	Phone
Cory Cummings	NAESB	In Person
James Manning	NCEMC	In Person
Rae McQuade	NAESB	In Person
Veronica Thomason	NAESB	In Person
Jill Vaughn	Court Reporter	In Person
Tyler Young	Manitoba Hydro	Phone



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Approved by the Board of Directors on June 23, 2011**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>1 Develop business practices standards as needed to complement reliability standards</b>		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection – Permanent Solution Note: Consideration should be given to provisional item 4. Work is being coordinated with the NERC IDC Working Group. Status: Started	4 <sup>th</sup> Q, 2011	BPS
b) Perform consistency review of WEQ-008 Transmission Loading Relief Business Practice Standards and develop recommendation. <sup>1</sup>	2012	BPS
c) DCS and AGC (BAL-002 and BAL-005) Coordination with NERC Status: Monitor. (Will require coordination with Balancing Authority Reliability Based Controls Group created in July 2010 NERC Project 2010-14)	TBD <sup>2</sup>	TIMTF
d) Coordinate with NERC on the functional model glossary revisions <a href="#">NERC Project 2010-08</a>	TBD	SRS
e) Coordinate with NERC on changes to the definition of Bulk Electric System <a href="#">NERC Project 2010-17</a> <u>Status: Started (Initial review performed to determine whether NAESB should adopt revised NERC definition or maintain existing definition. Decision was to recommend adopting revised NERC definition.)</u>	4 <sup>th</sup> Q, 2011 <del>TBD</del>	SRS
<b>2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)<sup>2</sup></b>		
a) Develop version 2 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Status: Underway Request R050004 was expanded to include the <a href="#">Order No. 890 (Docket Nos. RM05-17-000 and RM02-25-000)</a> , ( <a href="#">Order No. 890-A (Docket Nos. RM05-17-001, 002 and RM05-25-001, 002)</a> ), and <a href="#">Order No. 890-B (Docket Nos. RM05-17-03 and RM05-25-03)</a> “Preventing Undue Discrimination and Preference in Transmission Services”		
i) Group 3: Network Service On OASIS <sup>3</sup>		
1) Use of OASIS to Make Electronic Requests to Designate and Terminate Network Resource Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS

<sup>1</sup> In some sections of WEQ 008 it appears that the standards are applicable to all of the Interconnections and other it appears that the standards are only applicable to the Eastern Interconnection. The title indicates the standards are applicable to the Eastern Interconnection.

<sup>2</sup> FERC Order No. 890, issued February 16, 2007 can be accessed from the following link - [http://www.naesb.org/doc\\_view4.asp?doc=ferc021607.doc](http://www.naesb.org/doc_view4.asp?doc=ferc021607.doc)

<sup>3</sup> Several group 3 items may be removed from this plan if the 4<sup>th</sup> quarter completion dates are met.



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
2) Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS
3) Masking of Designated Network Resource Operating Restrictions and Generating Cost Information Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS
4) Procedural Requirements for Submitting Designations over new OASIS Functionality Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS
5) Specify How Designated Network Service Informational Postings are Posted on OASIS Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS
6) Develop standards for the treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS
7) Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS
8) Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations Status: Underway	3 <sup>rd</sup> Q, 2011	OASIS
ii) Group 4: Pre-Emption; Request No. R05019		
1) Pre-Emption Status: <del>Not</del> Started	<del>4<sup>th</sup> Q,</del> <del>2011</del> 1 <sup>st</sup> Q, 2012	OASIS
2) Request No. R05019 Status: <del>Not</del> Started	<del>4<sup>th</sup> Q,</del> <del>2011</del> 1 <sup>st</sup> Q, 2012	OASIS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
iii)	Group 5: Paragraph 1377 <sup>4</sup> – Group 5 work should precede group 4 work <sup>3</sup>		
	1) Paragraph 1377-Coordination of Requests Across Multiple Transmission Systems Status: Complete through the OASIS subcommittee, the WEQ EC <a href="#">approved July 8, 2011, ratification due August 11, 2011</a> <del>to vote on June 30, 2011.</del>	2 <sup>nd</sup> Q, 2011	OASIS
	2) Re-Bid Of Partial Service across Multiple Transmission Providers' Systems Status: Complete through the OASIS subcommittee, the WEQ EC <a href="#">approved July 8, 2011, ratification due August 11, 2011</a> <del>to vote on June 30, 2011.</del>	2 <sup>nd</sup> Q, 2011	OASIS
	3) Group DNR requests from a system with point-to-point requests on other systems for synchronization Status: Complete through the OASIS subcommittee, the WEQ EC <a href="#">approved July 8, 2011, ratification due August 11, 2011</a> <del>to vote on June 30, 2011.</del>	2 <sup>nd</sup> Q, 2011	OASIS

<sup>4</sup> Paragraph 1377 of FERC Order No. 890, issued February 16, 2007: The Commission agrees that transmission requests across multiple transmission systems should be coordinated by the relevant transmission providers. We will not, however, amend the pro forma OATT to require such coordination. Rather, we require transmission providers working through NAESB to develop business practice standards related to coordination of requests across multiple transmission systems. In order to provide guidance to NAESB, we will articulate the principles that should govern processing across multiple systems. All the transmission providers involved in a request across multiple systems should consider a request that requires studies across multiple systems to be a single application for purposes of establishing the deadlines for rendering an agreement for service, revising queue status, eliciting deposits and commencing service. In order to preserve the rights of other transmission customers with studies in the queue, the priority for the single application should be based on the latest priority across the transmission providers involved in the multiple system request. We note that regional entities like wesTTrans are already coordinating requests across multiple transmission systems and we believe such coordination is an acceptable solution to this issue.



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
iv)	Group 6: Miscellaneous (Paragraphs 1390 <sup>5</sup> and 1627 <sup>6</sup> of FERC Order No. 890)		
	1) Paragraph 1390 of Order 890 – Terminations related to: deficient requests, customer failure to pay required annual reservation fee, and customer modifications to applications which are meaningfully different. Status: <del>Underway to be voted out of subcommittee 8/2/11</del> <b>Not Started</b>	1 <sup>st</sup> Q, 2012	OASIS
	2) Paragraphs 1627 of Order 890 – Posting of additional information on OASIS regarding firm transmission curtailments Status: Not Started	1 <sup>st</sup> Q, 2012	OASIS
	3) Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services. Status: Not Started	1 <sup>st</sup> Q, 2012	OASIS

<sup>5</sup> Paragraph 1390 of FERC Order No. 890, issued February 16, 2007: We will not modify the pro forma OATT to address requests to allow the transmission provider to terminate idle transmission service requests. NAESB's business practice 001-4.11 allows the transmission provider to retract a request if the transmission customer does not respond to an acceptance within the time established in NAESB business practice standard 001-4.13. Therefore, we interpret TDU Systems comments to refer to circumstances when a transmission customer fails to respond to the transmission provider's request for additional information during the course of a request study. As discussed above, by the time the transmission provider offers a system impact study agreement, it should have all of the information that it needs to complete the study. Pursuant to section 17.4 of the pro forma OATT, the transmission provider can deem a transmission service request deficient if the transmission customer does not provide all of the information the transmission provider needs to evaluate the request for service. We will revise section 17.7 of the pro forma OATT so that the transmission provider is able to terminate a request for transmission service if a transmission customer that is extending the commencement of service does not pay the required annual reservation fee within 15 days of notifying the transmission provider that it would like to extend the commencement of service. We will not change the pro forma OATT to allow the transmission provider to terminate a transmission service request if the transmission customer changes its application for service. We believe the existing pro forma OATT is sufficient to allow a transmission provider to manage situations where the transmission customer modifies its application for service to the point that the customer is requesting transmission service that is meaningfully different than its initial request.

<sup>6</sup> Paragraph 1627 of FERC Order No. 890, issued February 16, 2007: We agree with suggestions for the posting of additional curtailment information on OASIS and, therefore, require transmission providers, working through NAESB, to develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards. These postings must include all circumstances and events contributing to the need for a firm service curtailment, specific services and customers curtailed (including the transmission provider's own retail loads), and the duration of the curtailment. This information is in addition to the Commission's existing requirements: (1) when a transmission is curtailed or interrupted, the transmission provider must post notice of the curtailment or interruption on OASIS, and the transmission provider must state on OASIS the reason why the transaction could not be continued or completed; (2) information to support any such curtailment or interruption, including the operating status of facilities involved in the constraint or interruption, must be maintained for three years and made available upon request to the curtailed or interrupted customer, the Commission's Staff, and any other person who requests it; and, (3) any offer to adjust the operation of the transmission provider's system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted transmission customers at the same time.



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<p>b) Develop the needed business practices to support existing Request No. <a href="#">R05004</a>: The processing of transmission service requests, which use TTC/ATC/AFC, in coordination with NERC changes to MOD 001 where the allocation of flowgate capability based on historical Network Native Load impacts the evaluation of transmission service requests, requiring the posting of those allocation values in conjunction with queries of service offerings on OASIS</p> <p>Status: Underway</p>	3 <sup>rd</sup> Q, 2011	OASIS
<p><b>3 Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling</b></p>		
<p>a) Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:</p>		
<p>i) Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions (<a href="#">R04006E</a>). (Related to AP 2(a)(iii) and AP 2(a)(i))<sup>3</sup> <del>—to discuss at the WEQ EC meeting on whether this item can be closed out.</del></p> <p>Status: <del>Underway</del> Completed by the OASIS Subcommittee and forwarded to the WEQ EC for vote on June 30, 2011.</p>	3 <sup>rd</sup> Q, 2011	OASIS
<p>ii) Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC (<a href="#">R04037</a>, <a href="#">R06027</a>) and transition the TSIN Registry from NERC to NAESB as the enhanced Electric Industry Registry (EIR).</p> <p>Status: Underway.</p>	1 <sup>st</sup> Q, 2012	NAESB/NERC Administration, JESS
<p>iii) Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (<a href="#">R05026</a>). Scoping <a href="#">statement</a> completed by SRS. There were a number of assignments from the Standards Request. The outstanding items are included below:</p>		
<p>1) Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted</p> <p>Status: Not Started</p>	2012	OASIS
<p>2) Initiate standard that eliminates the disparity of posting “sensitive” information. This standard should also include procedures of user certification that allows access to this class of information.</p> <p>Status: Underway (upon further development of this item by NAESB, a completion date will be determined)</p>	2012	OASIS
<p>3) Enhance the TSR result postings to allow showing of (i) limiting transmission elements and (ii) available generation dispatch options that would allow acceptance of reservation request.</p> <p>Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)</p>	2012	OASIS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
iv)	Review and correct WEQ-004 Coordinate Interchange Business Practice Standard as needed based on activities in NERC Project 2008-12, Coordinate Interchange Standards Revisions and supporting EOP-002-2 R4 and R6.  Status: Underway. Completion date dependent upon coordination activities with NERC, and Project 2008-12 is delayed by NERC due to other higher priority development	2012	JESS
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Develop PKI certification program for e-Tag and OASIS Status: Underway	3 <sup>rd</sup> Q, 2011	Board Certification Program Committee
ii)	Develop PKI standards for OASIS. Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2012	OASIS
iii)	Develop Industry Implementation Plan for meeting PKI Standard requirements for e-tagging. Status: Underway. Full e-Tag implementation (server & client side) is linked to the transition of the Registry from NERC to NAESB and NAESB implementation.	TBD – dependent on item above (i) and EIR	JESS
<b>4</b>	<b>Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs</b>		
	Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.		
a)	Review the NAESB Business Practices for Measurement and Verification of Wholesale Electricity Demand Response (WEQ-015) in conjunction with the IRC developed Demand Response Matrix and identify business practice requirements that could be improved or made clearer through the addition of specific technical detail. The wholesale and retail demand response work groups and the Smart Grid Standards Subcommittees should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other. Status: Completed	Phase 2 – 4 <sup>th</sup> Q 2010	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
b)	For each performance evaluation type/service type combination identified in WEQ-015, using the IRC matrix as a starting point, assess and determine what standards or guidelines, if any, should be developed to aid all participants in the use of measurement and verification methods for demand response programs in organized wholesale electric markets. If the determination is made that standards or guidelines will be developed, those items will be added as sub-items to 4(b). Status: Completed	Phase 2 – 4 <sup>th</sup> Q 2010	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
c) Coordinate glossary updates for business practice standards with the Retail Electric Quadrant Status: Ongoing	Ongoing	Joint WEQ/REQ DSM Subcommittee and WEQ SRS and Retail Glossary
d) Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets. <sup>3</sup> This includes developing business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard Status: The WEQ EE standards are completed.	4 <sup>th</sup> Q, 2010  Retail Standards 4 <sup>th</sup> Q 2011	Joint WEQ/REQ DSM-EE Subcommittee
<b>5 Maintain existing body of Version 2.x standards</b>		
a) Make consistency changes to Version 2.2 standards as directed by the WEQ Leadership Committee on December 12, 2007 OASIS Consistency Changes (R08001, R08002, R08003, R08005) Status: <del>Underway to be voted out of subcommittee 8/2/11</del> <del>Not Started (upon initiation of this item by NAESB, a completion date will be determined)</del>	<del>TBD</del> <a href="#">3rd Q, 2011</a>	OASIS
b) Consistent with ¶51 of FERC Order No. 890-A, add AFC and TFC values to the "System_Attribute" data element of the NAESB Standard WEQ-003: OASIS S&CP Data Dictionaries. (R08011) Status: <del>Underway to be voted out of subcommittee 8/2/11</del> <del>Not Started. This Standards Request was assigned to the OASIS in May 2008.</del>	<del>TBD</del> <a href="#">3rd Q, 2011</a>	OASIS
c) Correct WEQ 013-2.6.7.2. – Resale off OASIS (R08027) Status: Not Started	TBD	OASIS
d) Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 (R09003) Status: <del>Not</del> Started	<a href="#">1st Q, 2012</a> <del>TBD</del>	OASIS
e) Create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism (R09015) Status: Not Started	TBD	OASIS
<b>6. Develop Smart Grid Wholesale and Retail Electric Standards - The wholesale and retail demand response work groups and the Smart Grid task force should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other.</b>		
a) Develop requirements and use cases for PAP 03 – Pricing Model Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
b) Develop requirements and use cases for PAP 04 – Scheduling Model Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
c) Develop requirements and use cases for PAP 09 – Demand Response/Distributed Energy Resources Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	WEQ Section of the Joint WEQ/REQ SGS Subcommittee



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
d) Develop standards to support PAP 10 – Standards Energy Usage Information		
i) Develop Information Model and related business practices Status: Completed	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ PAP 10 SGS Subcommittee
ii) Develop standards to support PAP 10 – Standards Energy Usage Information, Phase 2, Harmonization with CIM and SEP 2.0 Status: Not Started, pending discussions with CIM and SEP 2.0	2011	Joint WEQ/REQ PAP 10 SGS Subcommittee
<b>7. Develop or modify standards to Support <a href="#">FERC Order No. 676-E</a>, (Docket No. RM 05-5-013)</b>		
a) Review standards 001-14.1.3 and 001-15.1.2 based on FERC Order No. 676-E (See ¶ 39 <sup>7</sup> ) Status: <a href="#">Underway to be voted out of subcommittee 8/2/11</a> <del>Not Started</del>	4 <sup>th</sup> Q, 2011	OASIS
b) Develop standards to support the Transmission Provider right to reassess the availability of conditional firm (See ¶ 72 <sup>8</sup> ) Status: <a href="#">Underway to be voted out of subcommittee 8/2/11</a> <del>Not Started</del>	4 <sup>th</sup> Q, 2011	OASIS
c) Prepare status reports every six months regarding the development of standards for the coordination of transmission service requests across multiple transmission systems (See ¶ 105 <sup>9</sup> ). This annual plan item is tied to Annual Plan Item 2(a)(iii) Status: Underway – first report filed.	Ongoing	NAESB Office

<sup>7</sup> 39. In regards to Entergy’s question of whether the transmission provider’s calculated and posted available flowgate capability values should be used to fulfill the posting requirements set forth in Standard 001-14 and 001-15 in instances where there is no requirement to convert this calculation to available transfer capability values, we agree with Entergy that this requirement can be met by the transmission provider posting its available flowgate capability values. As to EPSA’s argument that Standard 001-15 falls short of the goals of Order No. 890, we find that, with the exception of Standard 001-15.1.2, compliance with Standard 001-15 provides all of the information required by Order No. 890. However, Standards 001-14.1.3 and 001-15.1.2 permit transmission providers to post an available transfer capability change narrative within five business days of meeting the criteria under which a narrative is required to be posted. In Order No. 890, the Commission rejected calls for delays prior to posting data and required posting as soon as possible. We do not find the NAESB standard meets this criterion and therefore decline to incorporate Standards 001-14.1.3 and 001-15.1.2 by reference. Transmission providers must post their narratives as soon as feasibly possible. Posting within one day would appear in most cases to be reasonable.

<sup>8</sup> 72. However, we reiterate here the Commission’s finding in Order No. 890 that a transmission provider is permitted to extend its right to reassess the availability of conditional firm service. Since the Version 002.1 Standards do not specifically address this issue, we would ask the industry, working through NAESB, to continue to look at additional business practice standards facilitating a transmission provider’s extension of its right to perform a reassessment

<sup>9</sup> 105. We agree that insufficient progress has been made on this issue. While we acknowledge that development of standards addressing this issue is included in NAESB’s 2009 WEQ Annual Plan, we nevertheless urge NAESB to address this issue as soon as possible. Accordingly, we request that NAESB provide the Commission with a status report concerning its progress on this issue every six months, counting from the date this final rule is published in the Federal Register, until NAESB’s adoption of the applicable standard(s).



## North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2011 ANNUAL PLAN for the WHOLESale ELECTRIC QUADRANT**  
**Approved by the Board of Directors on June 23, 2011**

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### PROVISIONAL ITEMS

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- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy (Project 2009-05 Resource Adequacy Assessment).
- 2 Develop business practices for allocating capacity among requests received during a submittal window Order 890-A ([Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](#) - Paragraph 805)<sup>10</sup>.
- 3 Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.
- 4 Prepare recommendations for future path for TLR<sup>11</sup> (Phase 2) in concert with NERC, which may include alternative congestion management procedures<sup>4</sup>. Work on this activity is dependent on completing 2010 WEQ Annual Plan 1.a (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection - Phase 1).
- 5 Develop complementary standards that align with NERC Project 2008-01 Voltage and Reactive Control, for which a white paper is expected after the SAR is authorized to proceed by the NERC Standards Committee.
- 6 Determine NAESB action needed to support FERC Action Plan for Smart Grid Technology.
- 7 Develop business practice standards for cap and trade programs for greenhouse gas
- 8 Conduct assessment to determine if Electric Industry Requirements documented in WEQ-011 Gas / Electric Coordination should be considered reliability requirements and transition to NERC.
- 9 Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Common code usage is linked to the transition of the Registry from NERC to NAESB.
- 10 Review the need for, and develop standards where appropriate, in response to issues raised by FERC's National Action Plan on Demand Response.
- 11 Develop, modify or delete business practices to support Time Error and Inadvertent (BAL-004 and BAL-006) resulting from the NERC field test under NERC project (NERC Project 2010-14).
12. Coordinate standards development with the NERC Balancing Authority Reliability Based Controls Standards Drafting Team (BARCSDT- created in July 2010) regarding DCS and AGC (BAL-002 and BAL-005) which may require changes to NAESB WEQ standards.

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<sup>10</sup> 805. The Commission recognizes that developing methods to allocate capacity among requests received during a submittal window may require detailed procedures, particularly when transmission requests received simultaneously exceed available capacity. As the Commission explained in Order No. 890, however, we believe that each transmission provider is in the best position to develop allocation procedures that are suitable for its system. This does not preclude transmission providers from working through NAESB to develop standardized practices, as suggested by Southern. For example, as we pointed out in Order No. 890, allocation methods such as that used by PJM to allocate monthly firm point-to-point transmission service could provide useful guidance in developing general allocation procedures.

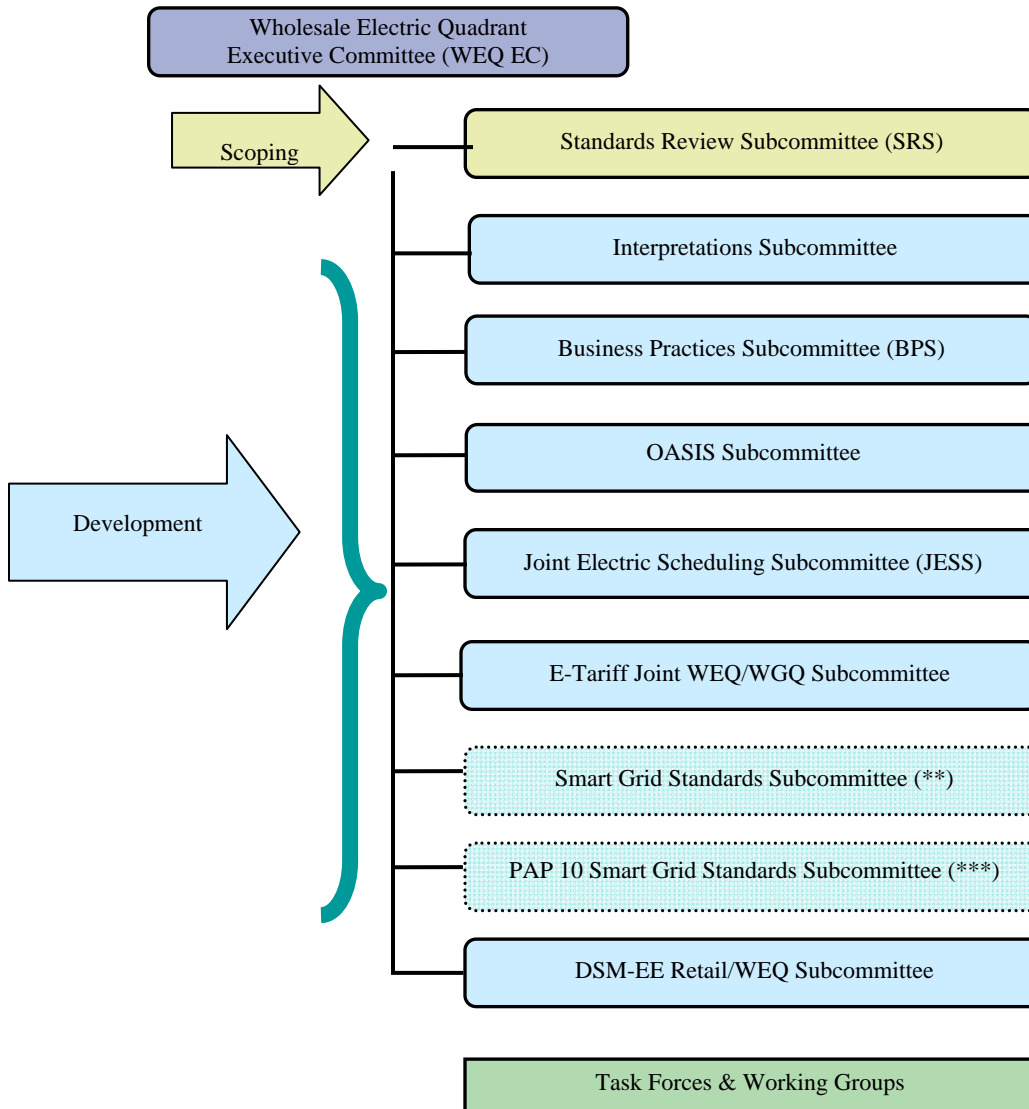
<sup>11</sup> Phase 2 of the Parallel Flow Visualization looks at developing options for and reporting of the most cost effective alternatives to achieve curtail obligations assigned during Phase 1.”



# North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE AND SUBCOMMITTEE STRUCTURE



### NAESB WEQ EC and Subcommittee Leadership:

Executive Committee (EC): Kathy York (Chair) and James Castle (Vice Chair)

Standards Review Subcommittee (SRS): Narinder Saini, Ed Skiba

Interpretations Subcommittee: Ed Skiba

Business Practices Subcommittee (BPS) & Time and Inadvertent Management Task Force (TIMTF): Ed Skiba , Narinder Saini

Open Access Same Time Information System (OASIS) Subcommittee (OS): Paul Sorenson, J.T. Wood, Alan Pritchard

Joint Electric Scheduling Subcommittee (JESS): Bob Harshbarger (NAESB), Clint Aymond (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

Demand Side Management-Energy Efficiency (DSM-EE) REQ/WEQ Subcommittee: Ruth Kiselewich (Retail), Roy True and Paul Wattles (WEQ)

(\*\*) The Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS (Organization for the Advancement of Structured Information Standards, not Open



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801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
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Access Same Time Information Systems related to NAESB standards and FERC actions), CalConnect, FIX and UCAIug, among others. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and REQ ECs. The group is chaired by Joe Zhou, Wayne Longcore and Robert Burke.

(\*\*\*) The PAP 10 Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS, UCAIug, OpenADE, ZigBee, ASHRAE, EIS Alliance, NARUC and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and REQECs. The group is chaired by Phil Precht, Cathy Wesley, Sharon Dinges, David Kaufman, Brad Ramsay, Tobin Richardson and Ed Koch.



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### End Notes WEQ 2011 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee, sub-committee or task force. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>2</sup> The assignments are abbreviated. The abbreviations and sub-committee structure can be found at the end of the annual plan document.

<sup>3</sup> Energy efficiency may be a wholesale product, such as capacity. Energy efficiency in retail markets may be from individual energy efficiency measures at the project level or a portfolio of projects that make up an energy efficiency program.

<sup>4</sup> For additional information, please see comments submitted by PJM and Midwest ISO for this Annual Plan Item:  
[http://www.naesb.org/pdf3/weq\\_aplan102907w1.pdf](http://www.naesb.org/pdf3/weq_aplan102907w1.pdf).

**TO:** NAESB Wholesale Electric Quadrant (WEQ) Executive Committee (EC)  
**FROM:** WEQ Business Practices Subcommittee (BPS) Co-Chairs  
**RE:** Guidance to NAESB WEQ Business Practices Subcommittee (BPS)  
**DATE:** August 9, 2011

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The subcommittee is seeking guidance from the WEQ EC as to whether it should continue on its present course with the inclusion of Two-Tier Firm Curtailment as a requirement within the Parallel Flow Visualization Permanent Solution or whether the proposed requirement is a policy issue that needs to be elevated to the Board/Managing Committee and FERC for further determination. The attached Two-Tier Firm Curtailment Overview (Attachment 1) provides a summary of the process that is proposed for use in the Eastern Interconnection when a Transmission Loading Relief (TLR) Level 5 request is initiated. The concept was initially presented to the subcommittee in its meeting on June 24-25, 2010 in two of the four options for the Parallel Flow Visualization solution.

The Procedural History of Two-Tier Firm Curtailment (Attachment 2) provides a summary of the key dates and activities of the subcommittee which have gotten us to the point of seeking guidance from the EC. In February, the subcommittee passed the following motion indicating that they needed to seek guidance on Two-Tier Firm Curtailment on whether the concept was a policy issue that needed to be addressed by the Managing Committee and FERC before standards could be recommended by the subcommittee:

*Pending Wholesale Electric Quadrant (WEQ) Executive Committee leadership notification, the Business Practices Subcommittee (BPS) co-chairs will forward the final two-tier firm curtailment work paper and associated policy work papers to the NAESB Managing Committee for review and response to the following question. Can the BPS submit the final two-tier firm curtailment work paper and associated policy work papers to FERC staff to obtain feedback regarding whether the two-tier curtailment process conflicts with FERC Policy?*

The Subcommittee assumed at the time the motion was made that the Two-Tier Firm Curtailment Work Paper and position papers would require review and approval of the NAESB Managing Committee who would then forward the documents to FERC staff for FERC to provide feedback on whether the concept violated FERC policy. In March the subcommittee deferred seeking guidance on the Two-Tier Firm Curtailment until it decided whether it wanted to include Two-Tier Firm Curtailment in either the Hybrid or Flowgate Allocation Options under consideration for the Parallel Flow Visualization Solution. In April, the subcommittee voted to include the Two-Tier Firm Curtailment Concept in both Options. The two-tier curtailment concept was something that the subcommittee determined needed to be included or excluded prior to selecting an option to move forward. In May, the subcommittee selected the Hybrid Option as the option to move forward as the Parallel Flow Visualization Permanent Solution. In June, it was recognized that the subcommittee still needed to address the motion from February

as to whether the Two-Tier Curtailment concept was a policy issue that the subcommittee needed guidance from the Board and/or FERC.

In our opinion we could classify the subcommittee members falling within two groups. First, there are those who consider the Two-Tier Firm curtailment a policy issue that needs to be addressed by the Board and FERC staff before the subcommittee can finalize the Parallel Flow Visualization Standards. The second group is those who do not believe that the subcommittee has overstepped its bounds, the concept does not conflict with FERC policy, the concept is consistent with FERC Orders, and the subcommittee should be directed to continue to move forward with its April decision to include the Two-Tier Firm Curtailment in the Permanent Solution. The position papers are included as Attachment 3 and Attachment 4. Both position papers have been reviewed but not endorsed by the Subcommittee. This lack of endorsement is based on the co-chairs decision that position papers provide enough information to allow the EC to make a decision. Due to the strong division of the subcommittee on these positions, obtaining endorsement on these documents would have significantly delayed bringing this issue before the EC.

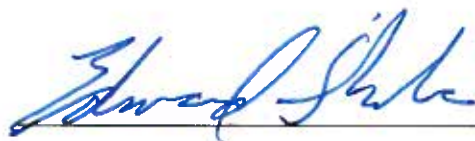
Due to the fluctuating size of the subcommittee, we have seen as few as ten and as many as one hundred thirty-five people participate in a meeting. Any votes in support of one position paper or the other would be based solely on the number of people participating on the day the vote was taken. Rather, the co-chairs agreed that when they presented the issue we would state that some subcommittee members supported one position paper and some supported the other.

The subcommittee has expended considerable effort in determining whether or not the Two-Tier Firm Curtailment concept either a) conflicts with transmission policy or b) creates new transmission policy. We are asking the Executive Committee to assist the subcommittee in resolving this issue in voting that either the Two-Tier Firm Curtailment concept is within the scope or to forward the issue to the Board/Managing Committee for a decision. Either way this question must be answered for the subcommittee to finalize the Parallel Flow Visualization Permanent Solution.

Submitted By:



Narinder Saini



Edward Skiba

Enclosures:

Attachment 1: Two-Tier Curtailment Overview

Attachment 2: Procedural History of Two-Tier Firm Curtailment

Attachment 3: Policy Concern Position Paper

Attachment 4: No Policy Concern Position Paper

## Two-Tier Firm Curtailment Overview

### ATTACHMENT 1

August 9, 2011

A two-tier firm curtailment approach is being proposed to address congestion in the Eastern Interconnection caused by parallel flows as part of the permanent solution in the Parallel Flow Visualization project. This work paper is written from the perspective of the TSP experiencing congestion on a flowgate. The Business Practices Subcommittee voted on April 28, 2011 to include the two-tier curtailment into both the Hybrid Option and the Flowgate Allocation Option that were under consideration at that time. On May 19, 2011, the subcommittee voted to terminate further consideration of the Flowgate Allocation Option.

When a transmission customer requests transmission service, the Transmission Service Provider (TSP) that receives the request will analyze the impact of the request on its transmission system (and for some TSPs other transmission systems) for available capacity, and will approve the request when sufficient capacity is available to meet the customer's request. The transmission service request may be for a generator to serve load within the TSP's footprint, for energy import into the TSP, for energy export out of the TSP, or for energy wheeled through the TSP's transmission system.

When approved transmission services are scheduled and implemented, a portion of the energy will flow across the TSP(s) that approved the transmission service (on-path flow), and the remaining portion will flow across neighboring transmission systems (off-path) according to laws of physics. The off-path flows are also called parallel flows or loop flows. At any point in time, the flow on a transmission element, or flowgate, can be decomposed into on-path and off-path components. The on-path flows can be traced back to existing transmission service and their corresponding service priorities on the TSP that owns the flowgate. However, from the perspective of the TSP experiencing congestion on a flowgate, off-path flows cannot be traced to the TSP's transmission service because, by definition, off-path flows are flows from neighboring transmission systems that are not reserved on the TSP's system.

#### **I. Current TLR Process**

In the Eastern Interconnection, when a flowgate is congested, the Transmission Loading Relief (TLR) procedure can be initiated to alleviate congestion on the flowgate. The TLR procedure curtails Interchange Transactions and/or assigns relief obligations to Balancing Authorities for generation dispatched to meet network and native load. The curtailments and relief obligations are calculated in priority order of the transmission service associated with the transactions and generators serving network and native load, from lowest to highest non-firm priority to firm priority, until relief is achieved.

## Two-Tier Firm Curtailment Overview

### ATTACHMENT 1

Presently, the TLR priority of on-path transactions (from the perspective of the TSP experiencing congestion) are determined from the priority of the transmission service associated with the transaction. However, off-path transactions don't have associated transmission service on the TSP experiencing the congestion. The priorities of the off-path transactions are determined by the Weakest Link (WL) method whereby the TLR procedure assigns the priority of an off-path transaction as the lowest priority of all transmission service reservations associated with the transaction, from any TSP on the path of the transaction. As such, for the purpose of TLR, off-path transactions with at least one non-firm transmission segment are assigned non-firm priority, while off-path transactions where all segments are firm are assigned firm priority anywhere in the Eastern Interconnection.

#### **II. Proposed Two-Tier Curtailment Approach**

The two-tier firm curtailment approach proposes to assign two levels of firm curtailment priorities for the purpose of TLR (First-to-Curtail and Last-to-Curtail). In the case where all segments on the contract path are firm and the TSP for any segment does not have a coordination agreement with the TSP experiencing congestion the entire transaction will be considered as First-to-Curtail. In all other cases where all segments on the contract path are firm the entire transaction will be considered as Last-to-Curtail. Intra-BA firm Point-to-Point, native and network transactions follow the same rules recognizing that intra-BA transactions have only a single segment.

#### **Last-to-Curtail**

Last-to-Curtail includes on-path firm transactions with reservations that were procured and granted firm service on the TSP's system experiencing the congestion. Off-path firm service (Interchange Transactions, network and native load service) will also be treated as Last-to-Curtail if all TSPs providing transmission service on the contract path have previously entered into Coordination Agreement(s)<sup>1</sup> with the TSP experiencing congestion.

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<sup>1</sup> A Coordination Agreement can range from multi-party agreements to two party agreements that share reciprocal treatment between all other parties that have executed such agreements. The minimum requirements for a Coordination Agreement are documented in the draft Parallel Flow Visualization Permanent Solution White Paper dated June 15, 2011. Adherence to NERC MOD Standards is not sufficient to meet the Last-to-Curtail coordination requirements.

## Two-Tier Firm Curtailment Overview

### ATTACHMENT 1

#### **First-to-Curtail**

First-to-Curtail includes off-path (not reserved on the TSP's system experiencing the congestion) firm service (Interchange Transactions, network and native load service) if any TSP providing transmission service on the contract path has not previously entered into Coordination Agreement with the TSP experiencing congestion.

A TLR level 5 is initiated if relief on the flowgate is still needed after relief from all non-firm transactions are exhausted and all voluntary redispatch and reconfigurations have been implemented. In the two-tier firm curtailment approach, the TLR would proportionally curtail firm service (Interchange Transactions, network and native load service) under the First-to-Curtail level. If further relief is needed after the curtailment of First-to-Curtail firm service are exhausted, firm service under the Last-to-Curtail level are proportionally curtailed.

## PROCEDURAL HISTORY OF TWO-TIER FIRM CURTAILMENT

### ATTACHMENT 2

August 9, 2011

The NAESB Wholesale Electric Quadrant (WEQ) Business Practices Subcommittee (Subcommittee) is considering the inclusion of a two-tier firm curtailment process as a component of its consensus solution (Hybrid Option selected May 19, 2011) to address parallel flows in the Eastern Interconnect. This substance of the two-tier firm curtailment proposal is fully described in a Subcommittee work paper; the purpose of this document is to provide a procedural history to assist in the resolution of the question of whether two-tier firm curtailment would constitute an impermissible exercise of policymaking discretion on the part of the Subcommittee.

#### **I. Brief Project Background**

The project involved is known as the Parallel Flow Visualization (PFV) project; it is responsive to WEQ 2011 Annual Plan Item 1(a), entitled “Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection – Permanent Solution. Note: Consideration should be given to provisional item 4. Work is being coordinated with the NERC IDC Working Group.”

Provisional Item 4 states “Prepare recommendations for future path for TLR<sup>1</sup> (Phase 2) in concert with NERC, which may include alternative congestion management procedures<sup>2</sup>. Work on this activity is dependent on completing 2010 WEQ Annual Plan 1.a (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection - Phase 1).

The Subcommittee began work in earnest on PFV in October 2009.

#### **II. Two-tier Firm Curtailment Procedural History**

The following presents a chronological history relating to two-tier firm curtailment. The two-tier firm curtailment approach was first presented to the subcommittee during the review of the Generator Prioritization and Flowgate Allocation Options during the June 24-25, 2010 meeting. FERC policy concerns regarding two-tier firm curtailment were raised during this meeting.

A presentation was made to the subcommittee on June 28, 2010, as to how the two-tier firm curtailment could be implemented.

In the September 15-16, 2010 meeting issues were identified related to generator prioritization as to whether FERC would approve a two-tier firm curtailment or whether FERC directives existed prohibiting two-tier firm curtailment.

In the fall of 2010, James Culliton had informal discussions with FERC staff on two-tier firm curtailment. FERC staff suggested it would be helpful to provide written documentation on two-tier firm curtailment.

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<sup>1</sup> Phase 2 of the Parallel Flow Visualization looks at developing options for and reporting of the most cost effective alternatives to achieve curtail obligations assigned during Phase 1.”

<sup>2</sup> For additional information, please see comments submitted by PJM and Midwest ISO for this Annual Plan Item: [http://www.naesb.org/pdf3/weq\\_aplan102907w1.pdf](http://www.naesb.org/pdf3/weq_aplan102907w1.pdf).

## PROCEDURAL HISTORY OF TWO-TIER FIRM CURTAILMENT

### ATTACHMENT 2

A draft of the two-tier curtailment work paper and comments were reviewed at the January 11-12, 2011 meeting.

#### Motion 14 from February 17, 2011:

Pending Wholesale Electric Quadrant (WEQ) Executive Committee leadership notification, the Business Practices Subcommittee (BPS) co-chairs will forward the final two-tier firm curtailment work paper and associated policy work papers to the NAESB Managing Committee for review and response to the following question. Can the BPS submit the final two-tier firm curtailment work paper and associated policy work papers to FERC staff to obtain feedback regarding whether the two-tier curtailment process conflicts with FERC Policy?

In a simple majority vote, Motion 14 carried without opposition.

#### Motion 15 from February 22, 2011:

Remove references of Unscheduled Flow future process (from WECC) from the two-tier curtailment work paper and do not include it in any position paper.

In a simple majority vote, Motion 15 carried without opposition.

#### Motion 16 from February 22, 2011:

Remove references of WECC current unscheduled flow mitigation procedure from the two-tier curtailment work paper and include it in a position paper.

In a simple majority vote, Motion 16 carried without opposition.

On February 22, 2011 it was agreed that there would be a 2-Tier Curtailment Summary paper, and additional papers which raise and address concerns about policy implications.

On March 9, 2011 the subcommittee by general agreement placed motion 14 on hold pending a discussion on whether the subcommittee wanted to move forward with two-tier firm curtailment.

#### Motion 18 from April 28, 2011:

Vote to approve the two-tier firm curtailment process, a two tier approach that provides incentive to have seams agreements<sup>3</sup> that honor external constraints when providing transmission service (PTP and Network).

In a balanced vote, with 56 votes cast, Motion 18 carried 7.66 to 2.34.

#### Motion 28 from May 19, 2011:

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<sup>3</sup> On June 14, 2011 the Subcommittee agreed to change the term "Seams Agreement to "Coordination Agreement."

## **PROCEDURAL HISTORY OF TWO-TIER FIRM CURTAILMENT**

### **ATTACHMENT 2**

Move to adopt the hybrid option and cease discussion on the flowgate allocation option.

In a balanced vote, with 81 votes cast, Motion 28 carried 6.88 to 3.12.

On June 14, 2011 Motion 14 was taken off hold.

On June 22, 2011 the WEQ BPS co-chairs, James Culliton and the WEQ EC Leadership met on how to move forward with addressing Motion 14. A two-tier firm curtailment summary paper, and additional papers which raise and address concerns about policy implications, and a chronology of two-tier firm curtailment will be provided to the EC for the EC to make a determination on next steps for two-tier firm curtailment.

## Two-Tier Curtailment Policy Concerns

### ATTACHMENT 3

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#### Summary

In order to address WEQ Annual Plan Item 1a, the Parallel Flow Visualization (“PFV”) permanent solution option to develop Business Practice Standards was approved by the Business Practices Subcommittee (“BPS”) on Thursday, May 19, 2011, with the understanding that the subcommittee would seek clarification on policy related issues before finalizing Business Practice Standards. PFV seeks to improve the wide-area view of Reliability Coordinators so that they are better equipped to assign relief obligations during periods of congestion to those actually contributing to the congestion.

The approved PFV permanent solution allows transmission service providers to elect a method for reporting the priority of their generation output used to serve load in the Balancing Authority Area. The controversial portion of this option incorporates a two-tier approach that provides incentives to develop seams agreements that honor external constraints when providing transmission service (“two-tier firm curtailment”).

In a motion unanimously approved on February 17, 2011<sup>1</sup>, and prior to the vote on April 28, 2011, to include two-tier firm curtailment in the PFV permanent solution, the subcommittee recognized the validity of concerns that the BPS may have overstepped its bounds and may be developing standards that are policy setting or in conflict with existing FERC Policy. The motion sought approval from the Board to obtain a FERC review of policy concerns.

It is the position of the entities preparing this paper that the Business Practices Subcommittee has ignored FERC policies and, thereby, has created a need to seek further guidance from the Managing Committee, the Board, and/or FERC. The Executive Committee (“EC”) is not empowered to direct the subcommittee to develop standards which conflict with FERC policy. Therefore, the EC should recognize these policy concerns and direct the BPS to continue developing the PFV standards that exclude two-tier firm curtailment until such time as permitted to include two-tier firm curtailment by the Board.

#### Two-tier firm curtailment overview

Two-tier firm curtailment was devised by the BPS as a method to incent coordination agreements. Bilateral coordination agreements are permitted in NERC MOD standards, where they may account for regional differences and permit alternate methods for congestion management. Unfortunately, the two-tier firm curtailment practice reduces the curtailment priority of firm off-path flows, incorrectly labeled “unscheduled firm power flows” by proponents of the concept, to a different level than firm on-path flows. Proponents argue that a different curtailment priority is warranted in such cases during Transmission Loading Relief (“TLR”). The two-tier firm curtailment process assigns relief obligations, during congestion, first to those firm transactions where there is an assertion that no analysis of the impact of the transaction was considered on the flowgate experiencing congestion at the time service was granted. Two-tier

## Two-Tier Curtailment Policy Concerns

### ATTACHMENT 3

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firm curtailment relies on the argument that transmission service is granted without consideration of the available capacity and limitations on other Transmission Service Provider's ("TSP") systems, in spite of FERC-approved NERC requirements to take those considerations into account,

Additional details are available in the [Two-Tier Curtailment Work Paper](#).

#### **Policy Concern Statement:**

The subcommittee has not been directed to incorporate these policy items by the NAESB Board of Directors, in conflict with NAESB By-laws<sup>ii</sup>. The following items should be reviewed by the Board of Directors to ascertain whether the subcommittee should be directed to continue their development:

1. Two-tier Firm's underlying assumption that loop flow impacts are not assessed before granting transmission service is at odds with FERC policy outlined in Order 890 and is at odds with FERC-approved NERC standards.
2. Two levels of pro-rata curtailment of Firm service conflicts with FERC policy of a single curtailment priority for firm curtailment.
3. Establishing a requirement for coordination agreements to retain current firm curtailment priority is not supported by FERC.

#### **Specific Policy Items:**

FERC policy is reflected in the pro-forma OATT and various orders. Order 890, which focused on preventing undue discrimination and preference in transmission service, provides substantial guidance on addressing these concerns.

- 1. Two-tier Firm's underlying assumption that loop flow impacts are not assessed before granting transmission service is at odds with FERC policy outlined in Order 890 and is at odds with FERC-approved NERC standards.**

The new policy envisioned by the WEQ BPS, hinges on a perspective that loop flows are not evaluated when transmission service is granted under an approved ATC methodology. Under this perspective, loop flows are not anticipated and must be addressed at time of curtailment by the Interchange Distribution Calculator (IDC). The attempt to relegate all loop flows from systems without coordination agreements to an inferior class with respect to firm

## Two-Tier Curtailment Policy Concerns

### ATTACHMENT 3

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curtailment is a denial of the actual operational characteristics of the Eastern Interconnect system and is inconsistent with FERC's expectation expressed in Order 890.

In Order 890<sup>iii</sup>, FERC said that ATC calculations are to include consideration of loop flows. NERC, in developing ATC standards, is responsible for the ATC calculation standards. NERC understands the need to incorporate loop flow analysis in the AFC methodologies as seen in [MOD-030-02](#). NERC recognized the need for coordination with respect to loop flows by requiring a Transmission Service Provider (TSP) to evaluate the potential impact of a request for transmission service on a broad range of flowgates which are external to the TSP's system (as outlined in the requirements under section R.2.). This standard also requires modeling of the TSP's system as well as adjacent TSPs' systems (as outlined in the requirements under section R.3.). Further, under requirement R.5.3., a TSP is required to use AFC calculations for external flowgates which are supplied by external TSPs. Requirement R.6. requires the TSP to include the impact of firm Network transmission service (including the impacts of generation to load) for all adjacent TSPs and any other TSPs with which coordination agreements have been executed. Requirements R6.4. and R.6.6., respectively, require a TSP to include in AFC calculations the PTP and grandfathered service commitments granted on external systems. In sum, these requirements require a TSP to perform a broad analysis of the potential loop flow impacts of a request for firm service on the TSP's system as well as the impact on other systems before granting the service.

The proposed two-tier curtailment policy ignores coordination which is required by FERC-approved NERC standards and sets up a conflicting standard. NAESB should refrain from developing standards with requirements that may conflict with NERC standards and FERC policy.

#### **2. Two levels of pro-rata curtailment of Firm service conflicts with FERC policy of a single curtailment priority for firm curtailment.**

The two-level firm curtailment under consideration by the WEQ BPS would establish multiple curtailment priorities for firm service which conflict with FERC policy and would require a change to the pro-forma tariff to include an additional level of firm curtailment.

FERC has established a policy of a single curtailment priority in numerous orders, as shown below:

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- a. In the NOI (Docket RM10-9-000), FERC provided language, which says that OATT Sections 13.6 and 14.7 are to be interpreted as curtailment priorities.<sup>iv</sup>
- b. In the Order 890 paragraph 928, FERC refers to Firm Service as a single priority.<sup>v</sup>
- c. In the Order 890 paragraphs 1074-1077, FERC explains that during non-conditional periods, conditional firm service is subject to pro rate curtailment consistent with curtailment of other long-term firm service. FERC also states that conditional firm service will be subject to pro rate curtailment with all other firm uses of the system...<sup>vi</sup>
- d. In the Order 890 paragraph 1138, FERC says that curtailments of Network and PTP must be done on a nondiscriminatory and pro-rata basis.<sup>vii</sup>
- e. In the Order 890 paragraph 1620, FERC identifies curtailment provisions for point-to-point service (set forth in sections 13.6 and 14.7) and network service (set forth in section 33).<sup>viii</sup>
- f. In the Order 890-A paragraphs 973-978, FERC addresses Conditional Curtailment and reiterates that when it is non-conditional, it is treated like all other long-term firm service.<sup>ix</sup>
- g. In *ConocoPhillips Company v. Entergy Services, Inc* (Docket EL08-59-000) paragraphs 24-26, FERC says OATT section 13.6 is the relevant area for determining curtailment priorities.<sup>x</sup>
- h. In *Entergy Services, Inc* (Docket ER10-794-000) paragraph 53, FERC makes no provision for multiple levels of firm curtailments.<sup>xi</sup>

### **3. Establishing a requirement for coordination agreements to retain current firm curtailment priority is not supported by FERC.**

The Business Practices under consideration would be a policy decision to require coordination agreements in order to maintain current firm curtailment priority, when in the past FERC has said that seams issues are better addressed on a case-by-case basis.<sup>xii xiii</sup>

The minimum requirements of these agreements are similar to the requirements in NERC MOD standards and provide little, if any, additional value. As mentioned in the previous section, including a requirement for such agreements in order to be granted the level of

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curtailment priority that is currently available could prove discriminatory with respect to a customer's ability to obtain this level of transmission service.

Further, the use of coordination agreements to assign curtailment priority could be considered discriminatory because the firmness of a customer's transmission service would be determined at the discretion of a Transmission Service Provider (which will decide whether or not to enter into coordination agreements).

- With the current TLR process, a transmission customer can request and pay for firm transmission service for its entire path, and it will get a firm curtailment priority (F7 or FN7). With the proposed process, the customer could request and pay for firm service on the entire path, but if there is a constraint on an off-the-path-system with no coordination agreement, the firm service would be the lower priority of firm service; thus the firmness is contingent on actions taken by the Transmission Service Provider, not the customer.
- A Transmission Service Provider could execute coordination agreements with neighboring systems such that its network/native load loop flows would be higher priority firm, but neglect to execute coordination agreements with systems further away resulting in PTP transactions wheeled through the TSP being lower priority firm.
- Many of these coordination agreements have not yet been developed, will vary significantly between TSPs and may result in gaming, non-comparable and discriminatory setting of the firm priority of transmission service inconsistent with the pro-forma Tariff. Transmission customers will not know in all instances what the priority of the "firm" transmission service that they have purchased under a pro-forma Tariff will be when it is curtailed during a Transmission Loading Relief (TLR) event, and will likely not have any ability to participate or review the provisions that will determine the firmness of their transmission service.

#### **Response to Support Position Paper:**

The proponents of the two-tier curtailment are unwilling to recognize FERC policies as presented in the record but prefer to argue for change based on a very broad interpretation of one section of the pro forma OATT. They present a single order which has no specific statement from FERC on the key issue at hand. Rather than present policy related citations, proponents merely represent the authors of opposition paper as confusing the terms "policy" with "standards". While the proponents present an enthusiastic defense of the two-tier concept, they fail to show how the concept aligns with FERC policy.

Specific response to the support position paper is presented below:

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#### **Two-Tier firm curtailment is an extension of the FERC approved Weakest Link method**

For off-path flows, the Weakest Link method assigns a curtailment priority based on the lowest level of transmission service sold by all TSPs along the path. The curtailment priorities are the same as the priorities established by FERC in the pro forma Tariff. The current method recognizes a single curtailment priority for firm transmission service.

While the argument is well written, the proponents fail to establish a viable argument for establishing a second priority for curtailment of firm transmission service in addition to the one established by FERC. The paper does not actually make a valid case that two-tier is an extension of the Weakest Link method.

#### **Two-tier firm curtailment is equivalent to the FERC approved WECC Unscheduled Flow Mitigation Plan**

The proponents of the new items argue that the existence of FERC-approved WECC Unscheduled Flow Mitigation Procedure signals that FERC policy does not preclude two levels of firm curtailment. *They might also argue, based on the WECC procedure, that firm and non-firm off-path transactions may be curtailed simultaneously before on-path non-firm transactions are curtailed, which would also conflict with FERC policy.* The key provisions of this procedure were approved prior to FERC Order 888 and they also represent a procedure which was developed by WECC utilities. While FERC has accepted filings of some providers to have non-standard approaches to addressing their seams issues, it is not correct to assume that FERC policy has changed because it has accepted these approaches. They also rely heavily on the recent approval of modifications to the WECC standards but fail to acknowledge that the record in that docket fail to show any review of the two-tier curtailment issue or any stated FERC position.

The WECC procedure does treat on-path transactions differently from off-path transactions for a handful of flowgates in the Western Interconnect. The WECC Unscheduled Flow Mitigation Procedure is not directly comparable to the items under consideration by the WEQ BPS. Specifically:

1. The WECC procedure does not differentiate between firm and non-firm transmission service when making determination for reductions to Contributing Schedules (loop flows). As such, it is not clear whether FERC has considered the two-tiered aspect of curtailment of firm schedules.

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2. The WECC procedure does not relegate all Contributing Schedules to a first-to-curtail category, as would be done by the WEQ BPS. In fact, in step 9 of the procedure, the most severe curtailment level; only 35% of the Contributing Schedules are curtailed.

#### **Pro forma OATT**

The proponents of the two-tier approach argue that a narrow interpretation of Section 13.6 of the pro forma OATT is not warranted and they suggest that FERC has granted latitude to pursue additional levels of curtailment. Unfortunately, the proponents are not willing to consider additional citations of FERC's position in the record, as provided in this paper. As such, their argument lacks credibility.

#### **Recommended Response**

According to NAESB by-laws, the Executive Committee ("EC") is not empowered to direct the subcommittee to develop standards which conflict with FERC policy. Therefore, it should recognize these policy concerns and direct the BPS to continue developing the PFV standards that exclude two-tier firm curtailment until such time as permitted to include two-tier firm curtailment practices by the Board.

If the EC cannot make this determination based on the documents provided, it is requested that the EC:

- (1) forward the documentation to the Board and/or Managing Committee for their review and determination, and
- (2) seek the Board and/or Managing Committee guidance that the decision made by the BPS to include two-tier firm curtailment in the PFV permanent solution should be vacated or seek guidance from FERC staff on whether including two-tier firm curtailment to address parallel flows in the Eastern Interconnection conflicts with FERC Policy.

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End notes:

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<sup>i</sup> **Business Practices Subcommittee Motion 14:**

Pending Wholesale Electric Quadrant (WEQ) Executive Committee leadership notification, the Business Practices Subcommittee (BPS) co-chairs will forward the final two-tier firm curtailment work paper and associated policy work papers to the NAESB Managing Committee for review and response to the following question. Can the BPS submit the final two-tier firm curtailment work paper and associated policy work papers to FERC staff to obtain feedback regarding whether the two-tier curtailment process conflicts with FERC Policy?

<sup>ii</sup> **NAESB by-laws:**

**ARTICLE 2 - PURPOSES, SCOPE, ACTIVITIES AND POLICIES**

**Section 2.2 Policies**

(b) The principles governing NAESB are:

**Develop Practices, Not Policy** – The committees, subcommittees and task forces of NAESB should endeavor not to create policy in their Standards or Model Business Practices development activities absent being requested to do so by the Board.

<sup>iii</sup> **Order 890-A paragraphs 98-100 (emphasis added):**

98. TDU Systems request that the Commission explicitly state that assumptions regarding loop flows must be consistent for ATC calculation and planning purposes, within the respective timeframe. TDU Systems argue that consistency in modeling the effects of those loop flows is necessary to ensure that neighboring transmission systems have accurately calculated ATC not only on their own systems but also on their interfaces with other systems. TDU Systems also ask that the Commission clarify that the assumptions and data to be used in ATC modeling must include the native load service obligations of LSEs as well as the transmission provider's native load.

**Commission Determination**

99. The Commission clarifies in response to Entergy that the models used by the transmission provider to calculate ATC, and not actual ATC values, must be benchmarked. The Commission is concerned with the level of accuracy of the models and, therefore, directed in Order No. 890 that the models be updated and benchmarked to actual events. If models are not sufficiently accurate, then ATC/AFC calculations will not generate correct results, undermining the benefits of increased consistency and transparency of ATC calculations. With regard to discrepancies between actual and modeled ATC values, the Commission directed the ERO in Order No. 693 to modify MOD-014-0 through the reliability standards development process to require that actual system events be simulated and, if the model output is not within the accuracy required, the model shall be modified to achieve the necessary accuracy.

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100. We agree with TDU Systems that assumptions regarding loop flows in calculating ATC must be consistent with those used for planning purposes within the respective timeframes. We also agree that loop flow impact in ATC calculation should not be restricted to the transmission provider's control area. Loop flows that occur in the power system must be included in the load flow models that simulate power system conditions. Loop flows affecting ATC calculation should be taken into account consistently by using the same models and assumptions as used for the planning of the system. With regard to modeling LSE uses of the system, we clarify that each transmission provider must include the native load service obligations of LSEs as well as the transmission provider's own load in modeling assumptions and data used for ATC calculation.

iv **NOI (Docket RM10-9-000) paragraph 7 (emphasis added):**

7. Curtailment priorities are largely set forth in two sections of the Commission's pro forma OATT. Section 13.6 of the Commission's pro forma OATT, entitled Curtailment of Firm Transmission Service, provides that:

Curtailments will be made on a non-discriminatory basis to the transaction(s) that effectively relieve the constraint. Transmission Provider may elect to implement such Curtailments pursuant to the Transmission Loading Relief procedures specified in Attachment J. If multiple transactions require Curtailment, to the extent practicable and consistent with Good Utility Practice, the Transmission Provider will curtail service to Network Customers and Transmission Customers taking Firm Point-To-Point Transmission Service on a basis comparable to the curtailment of service to the Transmission Provider's Native Load Customers. All Curtailments will be made on a non-discriminatory basis, however, Non-Firm Point-To-Point Transmission Service shall be subordinate to Firm Transmission Service. . . . [T]he Transmission Provider reserves the right to Curtail, in whole or in part, any Firm Transmission Service provided under the Tariff when, in the Transmission Provider's sole discretion, an emergency or other unforeseen condition impairs or degrades the reliability of its Transmission System. . . .

v **Order 890 paragraph 928 (emphasis added):**

928. We disagree with TDU Systems' statement that conditional firm service does not ensure comparability among types of transmission service or between transmission providers and transmission customers. TDU Systems' assertion is unsupported by any explanation or examples of how the conditional firm service would degrade comparability. Nevertheless, we believe the argument is essentially a collateral attack on Order No. 888. Order No. 888, not this rulemaking, created the distinction between point-to-point transmission service and network integration service. We did so to recognize the different ways in which transmission providers typically use their system. The two services are not precisely the same, nor were they intend to be identical. Nothing in this Final Rule changes these distinctions. Indeed, we are not changing the relative priorities applicable to firm point-to-point service, network integration service and service to bundled native load. These services do, and will continue to, share the same priority – the highest priority of firm service on the transmission provider's system. The only change, as it relates to the conditional firm option, is to allow the customer to elect to have its long-term firm transmission service

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interrupted under certain defined circumstances. This does not harm other firm customers. Indeed, it has precisely the opposite effect: it permits an interruption to maintain firm service to other customers. Moreover, we find, as indicated above, that conditional firm service is necessary to remedy undue discrimination.

**vi [Order 890](#) paragraphs 1074-1077 (emphasis added):**

#### **Commission Determination**

1074. We adopt a secondary network curtailment priority to apply for the hours or specific system conditions when conditional firm service is conditional. **During non-conditional periods, conditional firm service is subject to pro rata curtailment consistent with curtailment of other long-term firm service.** Thus, secondary network service and conditional firm service when it is conditional will share the same curtailment priority. **Also, there is no conflict with reliability standards because conditional firm service will be subject to pro rata curtailment with all other firm uses of the system** once conditional curtailment hours, if that is the option selected, are exhausted.

1075. The secondary network curtailment priority is appropriate because the customer is paying the long-term firm point-to-point rate and thus should receive the highest non-firm curtailment priority during the conditional curtailment hours or during specified system conditions. Adoption of this curtailment priority overcomes what could otherwise be significant implementation hurdles. It allows for implementation of the service without changes to existing NERC TLR practices. NERC and members of the industry need not undertake the time-consuming and expensive process of establishing a new curtailment priority that is between firm and non-firm service as some commenters requested. Use of this curtailment priority also avoids attendant decisions relating to the method of curtailment that should apply, i.e., pro rata or transactional curtailment, for a quasi-firm curtailment priority. It is also consistent with existing interruption provisions of the pro forma OATT which provide that secondary service cannot be interrupted for economic reasons. This is consistent with our determination that conditional firm service when it is conditional is curtailable only to maintain reliable operation of the transmission system.

1076. We reject EEI's argument that the curtailment priority for conditional firm service is inconsistent with Commission precedent regarding priority non-firm service only for network customers. EEI's argument is inapposite. Long-term firm point-to-point customers taking fully firm service without the conditional firm option do not need access to priority non-firm service as EEI suggests. They have assurance that their service will not be interrupted for economic reasons and will only be curtailed on a comparable basis with network service. This would not be the case for conditional firm customers. We also find that EEI has failed to explain the connection between the conditional firm transmission service and the availability of reliability redispatch options, i.e., generators on its system that can ramp up or down in response to a curtailment. We reject Powerex's request that transmission providers be required to show that existing long-term rights are protected. Each addition of a new long-term firm transaction impacts the rights of existing firm customers to some extent.

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1077. We disagree with commenters' suggestion that the NERC IDC must be changed to accommodate conditional firm service. **We reiterate that we are not creating a new curtailment priority in this Final Rule.** We also disagree that new tags that combine a firm and non-firm priority must be developed in order to implement the conditional firm option. The curtailment priority in a tag can be changed ahead of the operating hour based on a near-term forecast of system conditions. We are cognizant that daily and hourly operations to change the tags for conditional firm customers likely involve the need for control room coordination and development of an appropriate tracking process. As the Commission described in the NOPR, new tracking and tagging business practices for this service must be developed by each transmission provider. Thus, we are allowing a sufficient period for the development of these business practices, i.e., 180 days from the date of publication of this Final Rule in the Federal Register. As directed above, transmission providers must coordinate with other transmission providers in their regions to develop these tracking and tagging business practices.

<sup>vii</sup> **Order 890 paragraph 1138 (emphasis added):**

1138. We first address the contention of Transparent Dispatch Advocates that the real-time reliability redispatch obligation of transmission providers must be extended to "non-network transmission customers" to remedy undue discrimination. We disagree. In order to remedy undue discrimination, we have made changes to the pro forma OATT to implement a new conditional firm option for point-to-point service and we make changes to the existing planning redispatch obligation. However, Transparent Dispatch Advocates have failed to show that the unavailability of reliability redispatch for point-to-point transmission customers amounts to undue discrimination. Order No. 888 provided for reliability redispatch for network customers but not for firm point-to-point customers. There is a good reason for this distinction. The pro forma OATT requires network customers to make their generation resources available to the transmission provider to provide reliability redispatch to maintain the reliability of service to both native load and network customers. There is no corresponding obligation on point-to-point customers to make their generation resources available to provide reliability redispatch. Therefore, the two services are not comparable in this respect, which is why reliability redispatch service was not required for point-to-point customers. **However, if a reliability problem does arise, any curtailment of firm point-to-point transmission service must be on a nondiscriminatory and pro rata basis with the treatment of network service and native load customers. The Commission has found that this treatment meets the comparability requirements enunciated in Order No. 888.**

<sup>viii</sup> **Order 890 paragraph 1620 (emphasis added):**

1620. **In the NOPR, the Commission proposed no changes to the pro forma OATT with respect to curtailment provisions for point-to-point service (set forth in sections 13.6 and 14.7) and network service (set forth in section 33). These provisions establish the terms and conditions under which a transmission provider may curtail service to maintain reliable operation of the system.** Though several commenters claimed in response to the NOI that the reasons for transmission curtailments are difficult to discern, they did not provide sufficient detail to indicate whether that difficulty is a result of inadequate disclosure regulations, inadequate compliance with those regulations, or some other reason. Therefore, the Commission sought further comment on whether requiring transmission providers to post additional

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information would improve transparency and the ability of customers to make use of that information. The Commission also declined in the NOPR to propose generic penalties for improper transmission curtailments.

<sup>ix</sup> **Order 890-A paragraphs 973-978 (emphasis added):**

**7. Transmission Curtailments**

973. The Commission did not propose in the NOPR, or adopt in Order No. 890, any changes to the terms and conditions under which a transmission provider may curtail service to maintain reliable operation of the grid, as set forth in sections 13.6 and 14.7 for point-to-point service and section 33 for network service. The Commission did, however, conclude that the posting of additional curtailment information is necessary to provide transparency and allow customers to determine whether they have been treated in the same manner as other transmission system users, including customers of the transmission provider. Accordingly, the Commission required transmission providers, working through NAESB, to develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments, including all circumstances and events contributing to the need for a firm service curtailment, specific services and customers curtailed (including the transmission provider's own retail loads), and the duration of the curtailment.

**Requests for Rehearing and Clarification**

974. Powerex claims the Commission improperly rejected its request that the pro forma curtailment provisions be modified to provide for pro rata curtailment based on a customer's reserved capacity rather than its scheduled capacity. Powerex states that the Commission appears to have misunderstood its proposed two-stage curtailment procedure, which was rejected for having the potential to impair reliability since the amount of capacity curtailed using that approach would not address the actual power flows and, therefore, could be less than required to relieve the overloaded facility. Powerex explains that the proposed two-stage process pertained solely to the timeframe before power is actually flowing. Powerex further states that pro rata curtailments based on reservation capacity would be made prior to the energy scheduling and tagging deadline (e.g., 20 minutes before the operating hour), that the transmission provider would compare a customer's individual schedule to its reduced/curtailed rights, and, if the customer's scheduled quantities fall within its reduced rights, that schedule would flow uncut. After calculating the total capacity scheduled following the application of the pro rata curtailment, Powerex proposes that any excess transmission be allocated back on a pro rata basis to transmission customers whose schedules were cut below their reduced rights. Powerex states that this would in no way affect curtailments to actual power flows. Powerex suggests that curtailment within the hour, due to the limited time available to affect relief, should continue to be allocated based on actual schedules.

975. Powerex contends that the Commission mistakenly concluded that Powerex's proposal would adversely impact reliability, arguing that the amount of capacity curtailed under the two-stage process would be no different from the amount of capacity the transmission provider believes is necessary to address the constraint and that the capacity would be more equitably and economically cut according to the

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transmission customers' reserved quantities rather than the scheduled quantities. Powerex states that it is not aware of a single commenter that provided any evidence that the above modification would be detrimental in any way to reliability, nor did the Commission provide any evidentiary support for its response.

976. E.ON U.S. requests clarification of the correct order of curtailments given the addition of conditional firm point-to-point transmission service. Specifically, E.ON U.S. requests clarification regarding the curtailment priority of the different conditional firm options, i.e., conditions based on an annual number of hours and conditions based on specific system conditions.

#### Commission Determination

977. The Commission rejects Powerex's request to modify the curtailment provisions of the pro forma OATT to provide for pro rata curtailment based on a customer's reserved capacity rather than its scheduled capacity. Although Powerex addresses in its request for rehearing the Commission's initial concern regarding the proposal, we continue to believe that the proposal would have a potentially adverse impact on reliability. Powerex's proposal would greatly increase the complexity of scheduling transactions at or near real-time operations, threatening reliability without providing significant competitive benefits. Powerex has taken a complex issue and presented it in two simple steps, leaving out the details of how the transmission operators could obtain all the necessary information required to make on-the-spot decisions, perform the analyses to determine whether each schedule flow fully utilizes its respective reservation, reallocate unused reserved capacity, and curtail transactions without impairing reliability. We thus reject the Powerex's request for rehearing in this regard.

978. In response to E.ON U.S., we reiterate that the Commission adopted a secondary network curtailment priority to apply for the hours or specific conditions when conditional firm service is conditional. **During non-conditional periods, conditional firm service curtailment is treated consistent with curtailment of other long-term firm service. We reiterate that Order No. 890 did not change the terms and conditions under which a transmission provider may curtail service to maintain reliable operation of the grid or change the priority of curtailment for any type of transmission service. Rather, conditional firm point-to-point service, as adopted in Order No. 890, fits within the existing curtailment priorities and constructs.**

<sup>x</sup> **[ConocoPhillips Company v. Entergy Services, inc](#) (Docket EL08-59-000) paragraphs 24-26 (emphasis added):**

24. Although Entergy's OATT did not have a specific provision for terminating transactions due to software errors, **section 13.6 (Curtailment of Firm Transmission Service) sets forth a procedure for making curtailments for system reliability.** Absent a specific provision addressing software errors, section 13.6 is the appropriate OATT provision to which Entergy and the ICT should have looked for addressing the constraint.

25. At the time the June and July Transactions were terminated, section 13.6 stated in relevant part:

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In the event that a Curtailment on the Transmission Provider's Transmission System, or a portion thereof, is required to maintain reliable operation of such system and the system directly and indirectly interconnected with Transmission Provider's Transmission System, Curtailments will be made on a non-discriminatory basis to the transaction(s) that effectively relieve the constraint.

26. Relieving the system constraints through termination of reservations in the reverse order that the requests were accepted did not comply with section 13.6, and placed the entire burden of relieving the constraint on ConocoPhillips and the other last-in-queue firm-service customers. This unduly discriminated between customers even though they were similarly situated, each having confirmed firm service, and such action was unsupported by Entergy's OATT.

<sup>xi</sup> **Entergy Services, Inc (Docket ER10-794-000) paragraph 53 (emphasis added):**

53. Another problem with Entergy's curtailment approach in its proposed Local Area Procedures is that different firm point-to-point transmission customers taking service under Entergy's OATT would be subject to the Supplemental TLR Procedures, the Local Area Procedures, or both, and hence curtailed differently. We find such results to be inconsistent with the pro forma OATT, which requires transmission customers with the same priority and the same contractual paths to be curtailed comparably. Entergy must ensure that non-interchange and interchange transactions are curtailed in a comparable, non-discriminatory manner.

<sup>xii</sup> **Order 890 paragraphs 614, 615, 618, 620-626 (emphasis added):**

614. PJM asserts that it is unduly preferential for a non-RTO/ISO utility to take advantage of the benefits of the organized markets of a bordering RTO/ISO without any obligation to bear any of the costs of administering those markets. PJM contends that it is unduly discriminatory and an impediment to the development of competitive markets to permit a non-RTO/ISO utility adjacent to an RTO/ISO's organized, transparent markets to accept the benefits of those markets and the regional transmission planning process that sustains them, while the same utility relies on non-market-based congestion management and limits the access of its competitors, including those who are members of the relevant RTO/ISO, to its dispatch sequence and wholesale prices within its service area. PJM asks the Commission to declare that it would not be unduly discriminatory for an RTO/ISO to include in its tariff a provision that makes an external system operator's access to those markets contingent on the external operator providing reciprocal access to its dispatch and planning functions for RTO/ISO members, as well as access to the external system's real-time marginal system cost information.

615. Transparent Dispatch Advocates propose on reply that the Commission require the industry to develop inter-control area coordination agreements to provide for reciprocal redispatch to alleviate constraints at specified border flowgates. Transparent Dispatch Advocates argue that redispatch over a larger area provides transmission providers more options to extract the full efficiency of their systems by allowing import/export transactions and intra-control area flows to continue that would otherwise be

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curtailed by providing redispatch of generation across a border at a lower cost than would result had the transaction been curtailed. Transparent Dispatch Advocates further propose that the Commission establish principles in the Final Rule to guide the development of these coordination agreements and require filing of the agreements within 12 months of the issuance of the Final Rule. Transparent Dispatch Advocates suggest that technical conferences may need to be scheduled to address any utility specific issues that arise.

618. Southern argues on reply that there is no legal basis for claims that a lack of open dispatch results in undue discrimination. Southern states that the entities at issue are not similarly situated and that open dispatch concerns resource procurement, an area beyond the scope of the Commission's jurisdiction. Southern further argues that the open dispatch remedy proposed by PJM and others would require radical restructuring and market reforms that are unfounded, lack a legal basis and would result in political discord. Southern states that open dispatch would violate FPA section 217 by threatening the ability of LSEs to maintain access to transmission rights to serve native load. In its reply comments, Entergy states that the open dispatch proposal should be rejected because it is unnecessary to ensure open access transmission service, is contrary to the Congressional intent in passing EAct 2005, exceeds the scope of the Commission's jurisdiction by overriding state jurisdiction over sales to retail customers, and would result in opposition that will delay other reforms and distract the Commission with divisive litigation.

620. Entergy cites the approval of the ICT proposal as ample evidence that the incremental approach proposed in the NOPR is a better means of improving clarity, transparency and improvements in dispatch efficiency than the Transparent Dispatch Advocates and PJM seek to mandate. Entergy states that the arguments posed by PJM and Chandley-Hogan do not target remedying discrimination or ensuring comparability, but rather focus on what they believe are mechanisms for more efficient use of the grid. Overall, Entergy does not support any changes to the basic nature of the services available under the pro forma OATT or the development of real-time markets to ensure comparable access.

621. In its reply comments, Sacramento disagrees with PJM's claims that TLRs are a discriminatory substitute for real-time redispatch and PJM's proposal to eliminate such use of TLRs in favor of an expanded redispatch obligation. Sacramento argues that firm customers under the pro forma OATT do not expect TLRs, while those in Day 2 RTOs expect that generation will be redispatched. Sacramento adds that TLRs affect all loads, but that the nature of firm physical rights service is that it will not be interrupted except in very narrow defined circumstances.

622. Southern argues that customers selling between RTO and non-RTO systems are treated equally since part of the transaction is under an LMP treatment and the other part is under OATT treatment. In response to PJM's allegations that loop flows are unduly discriminatory to its customers, Southern states that loop flows are unavoidable consequences of integrating electrical systems and that PJM itself imposes loop flows on non-RTO systems, the effects of which are not compensated by PJM. If PJM believes that entities are free-riding on its system or manipulating its system, Southern argues that PJM could seek to increase market participation charges or file a complaint with the Commission. Sacramento agrees that this rulemaking is the wrong forum for resolving seams issues given the stated scope of the NOPR. Sacramento adds that border utilities do not "free ride" on RTO markets because these markets impose significant costs on border entities. Sacramento also disagrees that open redispatch would resolve loop flow problems and

## Two-Tier Curtailment Policy Concerns

### ATTACHMENT 3

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suggests other mechanism for addressing loop flow. Finally, Sacramento states that TLRs are an Eastern Interconnection process that, although rare, occur in RTOs and non-RTO areas.

#### Commission Determination

623. As the Commission explained in the NOPR, we do not intend to undertake a comprehensive overhaul of our transmission pricing policies in this rulemaking. Instead, the Commission proposed a number of specific reforms to discrete provisions in the pro forma OATT and a clarification to our “higher of” policy for pricing of transmission system expansions. Given the limited scope of this proceeding, we do not believe it would be appropriate to adopt the broader ratemaking proposals suggested by commenters. Issues of rate pancaking, including joint rates, regional rolled-in rates and rate reviews are beyond the scope of this proceeding.

624. Similarly, the Commission made clear in the NOPR that the purpose of the proposed rule is to strengthen the pro forma OATT to remedy undue discrimination and not to impose any particular market structure on the industry. The Commission’s focus in this proceeding was and remains the development of competitive wholesale markets through the reduction of barriers to entry created through the control of transmission assets. We continue to believe that the appropriate focus of this rulemaking is to strengthen competitive wholesale markets by adopting reforms to address remaining areas of undue discrimination and issues of comparability rather than mandating a fundamental change in the market structure.

625. We therefore reject requests to institute systems that require the real-time use of regional security constrained economic dispatch and LMP for granting real-time transmission service and for the settlement of imbalances or to otherwise require transmission providers to use LMP-based modeling. We believe that LMP market designs can provide significant benefits to customers through more efficient use of the grid, but do not believe that such market designs are the only way to remedy undue discrimination or achieve comparability. We continue to support regional flexibility in market development, provided that the market design implemented by the transmission providers provides other transmission customers with comparable service to that which the transmission providers provide to their own native loads and affiliates.

626. We also reject arguments regarding seams issues creating an undue discrimination between market and non-market areas that must be resolved in this proceeding. We note that there are currently processes underway to address seams issues both in the Eastern and Western Interconnections. We believe that such seams issues are beyond the scope of this rule and are better addressed on a case-by-case basis or, as appropriate, in the proceeding on RTO Border Utility Issues.

<sup>xiii</sup> **49 FERC P 61377 (emphasis added):**

We will deny Allegheny's request for a technical conference to consider the issue of unintended loop flows. Allegheny speculates that this sale could impact Allegheny's system adversely. Inadvertent or unauthorized power flows are an unavoidable consequence of interconnected utility operations. Interconnected utilities must, and do, work closely to ensure that the operation of one system does not jeopardize the reliability of a neighboring system, nor diminish the neighbor's ability to utilize its system in the most economical manner.

## Two-Tier Curtailment Policy Concerns

### ATTACHMENT 3

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This coordination is accomplished by direct day-to-day communications and the establishment of operating committees, as well as by participation in power pools such as the East Central Area Reliability Coordination Agreement to which AEP and Allegheny belong. The Commission, however, does not and, indeed, could not oversee the operation of utility systems. Operational decisions are dynamic and require instantaneous hands-on reaction to changing circumstances. As with any power sale, the transfer of Rockport Unit No. 2 power to Carolina Power will require coordination on a day-to-day basis by the affected utilities. It is, in the first instance, for the interconnected parties as the owners and operators of utility systems to establish mutually acceptable operating practices. In addition, if Allegheny can demonstrate that this transaction is a burden on its system, Allegheny can file a transmission service rate for Commission consideration which would account for any unauthorized loop flows.

## **Two-tier firm curtailment Support Position Paper ATTACHMENT 4**

### **Summary**

In order to address WEQ Annual Plan Item 1a, the Parallel Flow Visualization (“PFV”) permanent solution option to develop Business Practice Standards was approved by the Business Practices Subcommittee (“BPS”) on Thursday, May 19 by a balanced vote of 6.88 to 3.12. PFV seeks to improve the wide-area view of Reliability Coordinators so that they are better equipped to assign relief obligations during periods of congestion to those actually contributing to the congestion.

The approved PFV permanent solution allows transmission service providers to elect a method for reporting the priority of the generation output used to serve load in the Balancing Authority (“BA”). Additionally, this option includes a two-tier approach that provides incentives to develop seams agreements that honor external constraints when providing transmission service by holding all BAs accountable for their parallel flow impacts on neighboring areas (“two-tier firm curtailment”).

Prior to and after the motion<sup>1</sup> was approved on April 28 to include two-tier firm curtailment in the PFV permanent solution, concerns have been raised that the BPS may have overstepped its bounds and is possibly developing standards that are policy setting or in conflict with existing FERC Policy. It is the position of the entities supporting two-tier firm curtailment that the FERC has provided guidance on this issue and there is no need to seek further guidance from the Managing Committee, the Board, and/or FERC. The Executive Committee (“EC”) should direct the BPS to continue developing the PFV standards that can include two-tier firm curtailment.

### **Two-tier firm curtailment overview**

Two-tier firm curtailment was devised by the BPS as a method to incent coordination agreements. Bilateral coordination agreements are important because they account for regional differences and provide a level of depth that is not achievable in broad industry standards. In their absence, two-tier firm curtailment allows Reliability Coordinators to address inequities by reducing the priority of unscheduled firm power flows from its neighbors. Two-tier firm curtailment recognizes that transmission service granted without consideration of the available capacity and limitations on other Transmission Service Provider’s (“TSP”) systems should not have the same curtailment priority during Transmission Loading Relief (“TLR”) as transmission service granted that recognized available capacity and limitations on other TSP’s system. Two-tier firm curtailment addresses an Eastern Interconnection wide issue, not an individual TSP issue. The two-tier firm curtailment process assigns relief obligations, during congestion, first to those firm transactions where no analysis of the impact of the transaction was considered on the flowgate experiencing congestion at the time service was granted; then to those where analysis on of the impact of the transaction was considered on the flowgate experiencing congestion at the time service was granted.

Additional details are available in the [Two-Tier Curtailment Work Paper](#).

### **FERC guidance supporting two-tier firm curtailment**

As described below, FERC has issued orders addressing parallel flows for the Western Interconnection, weighed in on the benefits of coordination agreements, and left the door open for the industry to develop standards to address parallel flows for the Eastern Interconnection. This record should be sufficient for the EC to determine that there are no policy issues/concerns with allowing the BPS to move forward with including two-tier firm curtailment in the PFV permanent solution.

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<sup>1</sup> The motion to include two-tier firm curtailment in the Hybrid and Flowgate Allocation options was approved on a balance vote of 7.66 to 2.34. A total of 43 people voted in support of the motion and 13 people opposed the motion.

## **Two-tier firm curtailment Support Position Paper ATTACHMENT 4**

### **Two-tier firm curtailment is an extension of the FERC approved Weakest Link method**

Interchange transactions scheduled to flow between, or across BA boundaries are required to have a NERC Tag (“tag”). The Interchange Distribution Calculator (“IDC”) uses the priority of the tag to manage congestion in the Eastern Interconnection.

The current FERC approved TLR process in the Eastern Interconnection, utilizes the Weakest Link methodology. The Weakest Link methodology assigns a curtailment priority based on the lowest level of transmission service sold by all TSPs along the path. This methodology assigns a priority to a tag when:

- it is not scheduled through the TSP experiencing the congestion event/TLR; and
- there is no tariff requirement that TSPs that are off-path honor the priority of the transmission service granted by the on-path parties.

When a TSP does not enter an agreement to appropriately limit the granting of transmission service as it impacts another TSP, the two-tier firm curtailment methodology, similar to the Weakest Link methodology, recognizes that firm service does not exist on the system of the TSP experiencing congestion (an unscheduled flow on the congested facilities). Within TLR 5, it curtails firm schedules resulting in unscheduled flow that do **not** have firm service explicitly reserved on the congested TSP’s system. Two-tier firm curtailment does **not** cause firm service to be treated as non-firm and does **not** change the TLR level in which that firm service would be curtailed. Thus, a conclusion that two-tier firm curtailment stands at odds with FERC Policy would also have to conclude that the current FERC approved NERC TLR reliability standards are also outside of current FERC Policy.

### **Two-tier firm curtailment is equivalent to the FERC approved WECC Unscheduled Flow Mitigation Plan**

On March 17, 2011, FERC issued an Order<sup>2</sup> approving the Western Electric Coordinating Council (“WECC”) Qualified Transfer Path Unscheduled Flow Relief Regional Reliability Standard<sup>3</sup>. “This Reliability Standard is intended to mitigate transmission overloads due to unscheduled flow on a transfer path designated by WECC as being qualified for unscheduled flow mitigation.” Within the regional standards that apply to the Western Interconnection, WECC identified six paths that experienced congestion whereby unscheduled flows on a transmission path could be curtailed prior to curtailment of scheduled flows. Note that the standard refers to unscheduled flows, which is another term for parallel flows.

There are several similarities between the approved WECC standard and the proposed two-tier firm curtailment process. The WECC standard allows for the curtailment of parallel flows prior to scheduled flows in the Western Interconnection that is comparable to the two-tier firm curtailment scheme. The WECC standards include details about the levels and extent of unscheduled flows that can be curtailed. Similarly, the two-tier firm curtailment process applies rules for curtailing parallel flows, under certain conditions, prior to curtailing scheduled flows.

Additionally, the WECC standards apply to a limited set of paths experiencing congestion while all other WECC constraints are managed using local procedures. Likewise, the Eastern Interconnection two-tier firm curtailment would apply to only those flowgates in the NERC Book of Flowgates that meet certain thresholds. Though the two-tier curtailment process for the Western Interconnection may originally have

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<sup>2</sup> Docket No. RM09-19-000; Order No.746

<sup>3</sup> [IRO-006-WECC-1](#)

## Two-tier firm curtailment Support Position Paper ATTACHMENT 4

been approved prior to FERC Order 888, it has been reaffirmed by FERC as a valid curtailment methodology in 2011.

Finally, in WECC, both firm and non-firm schedules that produce unscheduled flow are curtailed together on a proportional basis before firm and non-firm schedules that produce scheduled flow or on-the-path flow. This allows the WECC to treat firm/non-firm schedules that produce unscheduled flow as having a lower curtailment priority on the congested system as compared to firm/non-firm schedules that produce scheduled flow. A proposed two-tier firm curtailment will have less impact to holders of firm service than the approved WECC practice by considering firm schedules that produce unscheduled/scheduled flow as having a higher curtailment priority on the congested system than non-firm schedules that produce scheduled/unscheduled flow on the congested system.

### Pro forma OATT

Section 13.6 of the pro forma OATT states:

*“All Curtailments will be made on a non-discriminatory basis, however, Non-Firm Point-To-Point Transmission Service shall be subordinate to Firm Transmission Service. Long-Term Firm Point-to-Point Service subject to conditions described in Section 15.4 shall be curtailed with secondary service in cases where the conditions apply, but otherwise will be curtailed on a pro rata basis with other Firm Transmission Service.”*

A narrow interpretation of this reference is that all firm transmission service must be curtailed using a single curtailment level and implementing two-tier firm curtailment would be setting policy. Taking a closer look, the language does not preclude having multiple levels of firm curtailments rather it indicates that firm curtailments must be done on a non-discriminatory basis. Two-tier firm curtailment meets the non-discriminatory litmus test in that all firm transmission service contributing to congestion on another transmission system where the service was not sold nor reviewed to assess the impact prior to the sale of the service will be considered as first-to-curtail.

The pro forma OATT makes multiple references to “pursuant to the Transmission Loading Relief procedures specified in Attachment J.”<sup>4</sup> Attachment J of the pro forma OATT is titled “Procedures to Address Parallel Flows.” Attachment J states that the details are “to be filed by the Transmission Provider.” FERC essentially left the process for curtailing parallel flows open to interpretation. The two-tier firm curtailment approach positions NAESB as the organization to develop a consistent approach in the Eastern Interconnection for addressing parallel flows.

### Response to concerns position paper

The opposition paper tends to confuse the terms “policy” with “standards.” It also takes a myopic view of the PVF permanent solution. Many of the references included in the paper are related to the TSP but falls short looking at the inter-relationships of the Eastern Interconnection.

The three areas of policy concern noted in that position paper are:

- Two-tier Firm’s underlying assumption that loop flow impacts are not assessed before granting transmission service is at odds with FERC policy outlined in Order 890 and is at odds with FERC-approved NERC standards
- Two levels of pro-rata curtailment of Firm service conflicts with FERC policy of a single curtailment priority for firm curtailment.

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<sup>4</sup> See sections 13.6, 14.7, and 33.4 of the Pro forma OATT.

## **Two-tier firm curtailment Support Position Paper ATTACHMENT 4**

- Establishing a requirement for coordination agreements to retain current firm curtailment priority is not supported by FERC.

Each concern is assessed below. Based on this assessment, it is unclear why there is a need to seek further guidance. Rather, the BPS should continue its work based on decisions it has already made and will make in the future.

### ***Two-tier Firm's underlying assumption that loop flow impacts are not assessed before granting transmission service is at odds with FERC policy outlined in Order 890 and is at odds with FERC-approved NERC standards***

FERC in the pro forma OATT left the door open for a TSP to establish the requirements/standards for how it would deal with parallel flows. Establishing standards for the treatment of parallel flows developed via industry consensus is well within NAESB's governance documents. Stating that this is a policy issue requiring FERC approval implies that NAESB as a standards development body should only work on those areas where NAESB is requested to develop standards by FERC.

### ***Two levels of pro-rata curtailment of Firm service conflicts with FERC policy of a single curtailment priority for firm curtailment.***

As stated above, two levels of pro-rata curtailment of firm service is in-place today in that unscheduled firm service in the Western Interconnection can be curtailed prior to scheduled firm service. Implementation in the Western Interconnection differs from what is proposed in the PFV permanent solution but the concept curtailing unscheduled firm service before scheduled firm service has been approved by FERC.

The opposition position paper states that section 13.6 of the pro forma OATT requires a single firm level of pro-rata curtailment. The section states:

*"Long-Term Firm Point-to-Point Service subject to conditions described in Section 15.4 shall be curtailed with secondary service in cases where the conditions apply, but otherwise will be curtailed on a pro rata basis with other Firm Transmission Service."*

The pro forma OATT does not preclude having multiple levels of firm curtailment. As noted earlier, the pro forma OATT allows the TSP to develop specific standards/requirements on how it will treat parallel flows that can include firm transmission service in its Attachment J.

### ***Establishing a requirement for coordination agreements to retain current firm curtailment priority is not supported by FERC.***

The concerns position paper states Two-Tier Firm Curtailment is a new policy which requires TSP-to-TSP coordination agreements to maintain current curtailment priority. It is true that the approach does allow for unscheduled firm flows to be curtailed first during TLR 5 if no review of the impacts was done prior to the granting of transmission service which is different than today. In today's environment a TSP may grant transmission service on its system which can significantly contribute to congestion on another TSP's system without considering impacts when service was granted. When congestion occurs on the other TSP's system, all firm transactions contributing to the congestion are curtailed on the same pro-rata basis, including those that were granted considering the impacts and those that were granted not considering the impacts on the congested flowgate. The crux of the issue is whether Eastern Interconnection Business Practice Standards should be established for curtailing unscheduled flows,

## **Two-tier firm curtailment Support Position Paper ATTACHMENT 4**

where no analysis of the impacts was performed, prior to curtailing scheduled flows and unscheduled flows where an analysis was performed.

Those opposing two-tier firm curtailment seem to be confusing setting policy with developing standards. Those supporting two-tier firm curtailment are of the opinion that FERC has established the policy and the BPS is defining the process, Business Practice Standards, for implementing the policy, which allows for the curtailment of parallel flows under certain conditions prior to scheduled flows in the Eastern Interconnection. The WECC has a well documented set of standards for curtailing parallel flows. The proposed approach with coordination agreements is intended to provide the Eastern Interconnection with a consistent set of standards for determining the sequence for curtailing parallel flows. NAESB has the opportunity to develop a consistent set of standards to address parallel flows in the Eastern Interconnection and should take advantage of this opportunity.

### **Requested action from Executive Committee**

This position paper proposes the EC determine that the direction is within its scope for developing NAESB Business Practice Standards related to the PFV permanent solution and the BPS can continue to move forward with its decision to include two-tier firm curtailment in the PFV permanent solution.

If the EC cannot make this determination based on the documents provided, it is requested that the EC:

- (1) forward the documentation to the Board and/or Managing Committee for their review and determination, and
- (2) seek the Board and/or Managing Committee guidance that the decision made by the BPS to include two-tier firm curtailment in the PFV permanent solution is within scope or seek guidance from FERC staff on whether including two-tier firm curtailment to address parallel flows in the Eastern Interconnection conflicts with FERC Policy.



## North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**July 25, 2011**  
**Via email and posting**

**TO:** NAESB Executive Committee (EC) Members, posting for interested parties  
**FROM:** NAESB Office  
**cc:** EC Alternates, Submitters, Subcommittee Chairs of Subcommittees noted in text below  
**RE:** NAESB Triage Actions Pending for Requests No. R11013 – R11015

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Dear Triage Subcommittee and EC members,

We have three requests to triage –R11013 through R11015 -- provided below as hyperlinks. The NAESB office recommends the following assignments to the quadrants and subcommittees:

For [R11013](#), submitted by [Kelly Brooks](#) on behalf of Williston Basin Interstate Pipeline Company:

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add data elements to NAESB WGQ Standard Nos. 1.4.1 (Nominations), 1.4.3 (Request for Confirmation), 1.4.4 (Confirmation Response), 1.4.5 (Scheduled Quantities), 1.4.6 (Scheduled Quantity for Operator), 2.4.3 (Allocation) and 3.4.1 (Invoice), which would allow the service requestor to designate it should be assigned the WGQ Business Practices Subcommittee. While there was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the subcommittee.

For [R11014](#), submitted by [Jesse Hurley](#) on behalf of Shift Research

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to add a authorized certification authority standard to the PKI WEQ-012 body of standards, it should be assigned the WEQ PKI standards development subcommittee. In discussions with the chair, who has the authority to create new subcommittees, she will create subcommittee to address PKI standard, and Jim Buccigross of the WEQ EC has graciously agreed to chair the newly created subcommittee. While there was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the newly created subcommittee. The work of the subcommittee should be coordinated with the Board Certification Committee.

For [R11015](#), submitted by [Jamshid Afnan](#) on behalf of ISO New England, Midwest ISO and Tennessee Valley Authority:

This request is (1) found within scope; (2) to be assigned the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to review, and revise where needed, the PKI WEQ-012 body of standards, it should be assigned the WEQ PKI standards development subcommittee as noted above in the proposed disposition for R11014. While there was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the newly created subcommittee. The work of the subcommittee should be coordinated with the Board Certification Committee.

If you have any questions on a specific request, please contact the requestor directly -- the email address is provided as a link with the request. If you have any concerns on the above actions, please respond via email with your concern stated, and we will convene a conference call for its resolution. Comments may certainly be provided and will be posted on the [Triage Subcommittee](#) page of the NAESB web site. If no concerns are raised, then on Monday, August 7, the dispositions as noted above will be considered approved.



## North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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**August 8, 2011**  
**Via email and posting**

**TO:** NAESB Executive Committee (EC) Members, posting for interested parties  
**FROM:** NAESB Office  
**cc:** EC Alternates, Submitters, Subcommittee Chairs of Subcommittees noted in text below  
**RE:** NAESB Triage Actions Taken for Request Nos. R11013 – R11015

---

Dear Triage Subcommittee and EC members,

Several requests were sent out for review and determination of disposition on July 25 – Request Nos. R11013, R11014, and R11015. There were no requests for conference call for discussion. The requests were all triaged with approval in August 7, as follows:

For [R11013](#), submitted by [Kelly Brooks](#) on behalf of Williston Basin Interstate Pipeline Company:

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add data elements to NAESB WGQ Standard Nos. 1.4.1 (Nominations), 1.4.3 (Request for Confirmation), 1.4.4 (Confirmation Response), 1.4.5 (Scheduled Quantities), 1.4.6 (Scheduled Quantity for Operator), 2.4.3 (Allocation) and 3.4.1 (Invoice), which would allow the service requestor to designate it should be assigned the WGQ Business Practices Subcommittee. While there was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the subcommittee.

For [R11014](#), submitted by [Jesse Hurley](#) on behalf of Shift Research

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to add a authorized certification authority standard to the PKI WEQ-012 body of standards, it should be assigned the WEQ PKI standards development subcommittee. In discussions with the chair, who has the authority to create new subcommittees, she will create subcommittee to address PKI standard, and Jim Buccigross of the WEQ EC has graciously agreed to chair the newly created subcommittee. While there was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the newly created subcommittee. The work of the subcommittee should be coordinated with the Board Certification Committee.

For [R11015](#), submitted by [Jamshid Afnan](#) on behalf of ISO New England, Midwest ISO and Tennessee Valley Authority:

This request is (1) found within scope; (2) to be assigned the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to review, and revise where needed, the PKI WEQ-012 body of standards, it should be assigned the WEQ PKI standards development subcommittee as noted above in the proposed disposition for R11014. While there was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the newly created subcommittee. The work of the subcommittee should be coordinated with the Board Certification Committee.

If you have any questions on a specific request, please contact the requestor directly -- the email address is provided as a link with the request. The noted dispositions for the requests and the requests themselves were forwarded to the Triage Subcommittee and EC members on July 25. The review and comment period concluded on August 7 and as there were no dissents or comments requiring amendments, the requests were considered assigned as noted. As such, the requests are considered in scope and assigned to the indicated subcommittees for development.

# Business Practices Subcommittee Update

August 16, 2011

## WEQ BPS Update - Meetings

- Meetings since last update
  - August 9-10, 2011 April 11-13, 2011
  - July 12-13, 2011 March 8-9, 2011
  - June 14 -15, 2011 February 28, 2011
  - May 17-19, 2011 February 22, 2011
  - April 28-29, 2011 February 16-17, 2011
- Scheduled meetings
  - September 13-14, hosted by NAESB, in Houston, TX
  - October 11-12, 2011, hosted by OATI, in Minneapolis, MN (include joint session with IDC Working Group)
  - November 8-9, 2011 Location TBD
  - December 14-15, 2011, Location TBD

## Parallel Flow Visualization

- **March/April**
  - Identified key items decisions needed to be made to select Option for Permanent Solution
    - Reach consensus on Seams Agreement/Business Practice Standards/2-Tier Firm Curtailment
    - Hybrid Option Credit for Redispatch
    - Flowgate Allocation Option - Exceed Allocation - First-to-Curtail/Last-to-Curtail or Generation to Load
    - The granularity of transmission service granted under the OATT will be at the same granularity in the parallel flow visualization calculation in the IDC
  - Drove down each concept to point where decisions could be made to include/exclude from options
  
- **April 28-29**
  - Voted on key concepts to include in Options
  
- **May 17-19**
  - Reviewed options which included concepts selected in April
  - Selected Hybrid Option as the Option to move forward for the Permanent solution

## Parallel Flow Visualization (cont.)

- June - August
  - Continuing to develop detail requirements (filling in gaps)
  - Addressing “parking lot” items
  - Developed documentation for Executive Committee on two-tier firm curtailment
- September/October
  - Finalize Parallel Flow Visualization Permanent Solution White Paper
  - Address “parking lot” items
  - Joint session with IDC Working Group
- November/December
  - Develop standards from Parallel Flow Visualization Permanent Solution White Paper
  - Vote to post standards for 30-day formal comment period

## Joint NERC BACSDT / NAESB TIMTF Update

- Task Force has not met pending NERC standards development activity
- NERC is preparing to start a field trial for elimination of Manual Time Error Correction
- March 23, 2011 WEQ Leadership discussed how to coordinate with NERC since NAESB has approved standards to support NERC field trial
- April 8, 2011 Executive Committee approved Minor Correction to Manual Time Error Correction (WEQ-006) - to suspend the NAESB Business Practice Standards for WEQ 006-1 through WEQ 006-12 based on the motion approved by the NERC Operating Committee at their March 9, 2011 meeting (MC11011)
- June 20, 2011 NAESB file errata to the NAESB WEQ Version 002.1 Business Practices standards which included Minor Correction MC11011

# Questions/Feedback





## North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

via email and posting

**TO:** NAESB Wholesale Electric Quadrant (WEQ) Members and Interested Industry Participants  
**FROM:** James Culliton, Staff Attorney  
**RE:** WEQ Request for Formal Comments  
**DATE:** August 9, 2011

Dear NAESB WEQ Members and Interested Industry Participants,

A 30-day industry comment period begins today, Thursday August 9, 2011 and ends on September 8, 2011 for the three WEQ recommendations found below. Each recommendation is also posted on the NAESB web site.

Recommendations:
<b>WEQ 2011 Annual Plan No. 2(a)(iv)(1):</b> Paragraph 1390 of Order 890 – Terminations related to: deficient requests, customer failure to pay required annual reservation fee, and customer modifications to applications which are meaningfully different. Recommendation: <a href="http://www.naesb.org/pdf4/weq_2011_api_2_a_iv_1_rec.doc">http://www.naesb.org/pdf4/weq_2011_api_2_a_iv_1_rec.doc</a>
<b>WEQ 2011 Annual Plan No. 5(a):</b> Make consistency changes to Version 2.2 standards as directed by the WEQ Leadership Committee on December 12, 2007 OASIS Consistency Changes (R08001, R08002, R08003, R08005). Recommendation: <a href="http://www.naesb.org/pdf4/weq_2011_api_5a_r08001_r08002_r08003_r08005_rec.doc">http://www.naesb.org/pdf4/weq_2011_api_5a_r08001_r08002_r08003_r08005_rec.doc</a>
<b>WEQ 2011 Annual Plan No. 7(a):</b> Review standards 001-14.1.3 and 001-15.1.2 based on FERC Order No. 676-E (See Paragraph 39). Recommendation: <a href="http://www.naesb.org/pdf4/weq_2011_api_7a_rec.doc">http://www.naesb.org/pdf4/weq_2011_api_7a_rec.doc</a>

All interested parties, regardless of membership status within NAESB, are eligible to submit comments for consideration. The WEQ Executive Committee will review the recommendations and comments during the next scheduled meeting following the end of the comment period and consider the recommendations for vote. This meeting is open and we encourage those who submit comments to attend.

All comments received by the NAESB office by end of business on September 8, 2011 will be posted on the Request and Standards Activity Applicable to the WEQ page: [http://naesb.org/weq\\_request.asp](http://naesb.org/weq_request.asp) and forwarded to the WEQ Executive Committee members for their consideration. If you have difficulty downloading the recommendation, please call the NAESB office at (713) 356-0060.

Best Regards,

James Culliton

cc: Rae McQuade, President

# Standards Review Subcommittee Update

August 16, 2011

# Meetings

- Recent Meetings:
  - July 18, 2011 April 19, 2011
  - June 21, 2011 March 15, 2011
  - May 10, 2011 February 22, 2011
- Upcoming Meetings
  - August 23, 2011
  - September 15, 2011
  - October 18, 2011

# Recent Activities

- Reviewed and submitted comments on the 2011 WEQ Annual Plan Items 2.a.iii.1 through 2.a.iii.3 (Service Across Multiple Transmission Systems) recommendation
- Glossary Coordination
  - Met with Retail Glossary leadership and NAESB staff to establish coordination process
  - Working copy of current glossary (including all final actions is available for the subcommittee)
  - Developed tracking mechanism to document reviews
- Expanded scope to include cross quadrant review of clarifications / interpretations to determine if they might impact the WEQ
- Began work on 2011 WEQ Annual Plan Item 1.e  
Coordinate with NERC on changes to the definition of Bulk Electric System: NERC Project 2010-17

# Recent Activities

- Ongoing Activities
  - Review WEQ Recommendations posted for Formal Comments
  - Glossary Coordination with Retail Glossary Subcommittee
  - Ongoing cross quadrant review of:
    - Standards Requests
    - Minor Corrections
    - Clarifications /Interpretations

## Upcoming Activities

- Review and develop comments for NERC 2012 - 2014 NERC Reliability Standards Development Plan (September 15, 2011 meeting in Houston)
- Begin work on 2011 WEQ Annual Plan 1.d Coordinate with NERC on the functional model glossary revisions NERC Project 2010-08 (pending NERC posting functional model glossary for industry comment)

# Questions/Feedback

- Request others also to look at the NERC activities to assess whether they think NAESB should be developing complementary standards
- Seek continued participation in monthly conference call meetings (participation has been declining)



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Home Page: [www.naesb.org](http://www.naesb.org)

**NAESB UPDATE: VERSION 2.1 – WHOLESALE GAS QUADRANT (WGQ)  
JULY 26, 2011**

### **ACTIONS TO BE APPLIED TO WGQ VERSION 2.0 TO CREATE WGQ VERSION 2.1:**

Version 2.0 was published on November 30, 2010.

#### **2011-12:**

##### Final Actions:

R10009 - Add sender's option data element "Open Season ID" to Transactional Reporting – Firm Transportation – NAESB WGQ Standard No. 5.4.21 approved by the WGQ Executive Committee May 19, 2011.

Final Action: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_wgq\\_r10009.doc](http://www.naesb.org/member_login_form.asp?doc=fa_wgq_r10009.doc) - Ratified July 1, 2011

R10003 – This request proposes the addition of two new data elements "Discount Begin Date" and "Discount End Date" in the following Transaction Datasets: Transactional Reporting – Capacity Release, NAESB WGQ Standard No. 5.4.20 and Transactional Reporting – Firm Transportation, NAESB WGQ Standard No. 5.4.21. – approved by the WGQ EC via Notational Ballot on December 20, 2010

Final Action: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_wgq\\_r10003.doc](http://www.naesb.org/member_login_form.asp?doc=fa_wgq_r10003.doc) – Ratified April 18, 2011

R09016 – Add Rate Schedule data element to the Bid Upload and Bid Download datasets and change conditionality of Location data for Offer Upload/Download datasets or add code values to allow a dummy agenda – approved by the WGQ EC via Notational Ballot on December 20, 2010

Final Action: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_wgq\\_r09016.doc](http://www.naesb.org/member_login_form.asp?doc=fa_wgq_r09016.doc) – Ratified April 18, 2011

R09018 - Add MA data element Path Rank in the Nominations data set and corresponding error message in the Nom QR as approved by the WGQ Executive Committee on February 3, 2011.

Final Action: [http://www.naesb.org/member\\_login\\_check.asp?doc=fa\\_wgq\\_r09018.doc](http://www.naesb.org/member_login_check.asp?doc=fa_wgq_r09018.doc) - Ratified March 17, 2011

R10007 - Change the Offer, Bid and Award downloads to have the ability to communicate multiple indexed rates for a given offer.

Final Action: **(no changes necessary)** [http://www.naesb.org/pdf4/wgq\\_r10007\\_rec\\_123010.doc](http://www.naesb.org/pdf4/wgq_r10007_rec_123010.doc) - Approved by the WGQ EC on February 3, 2011 **(No further action needed)**

##### Recommendations:

C11002: Clarification or interpretation request: Clarify the effects of Bidder Lesser Quantity Indicator on the disclosure of minimum condition elements for EBB / EDI Download portion of NAESB Standard Number 5.4.25. Does the Offer's Disclose Indicator or Releasing Shipper Lesser Quantity Indicator have any effect on the disclosure of the minimum condition elements for Bids.

Recommendation: [http://www.naesb.org/pdf4/c11002\\_rec.docx](http://www.naesb.org/pdf4/c11002_rec.docx)

Request for Comments: [http://www.naesb.org/pdf4/wgq\\_072611\\_reqcom.doc](http://www.naesb.org/pdf4/wgq_072611_reqcom.doc) - Due August 26, 2011

(NOTE: The portion of clarification request C11002 determined to be a request for minor correction and transferred to the Information Requirements Subcommittee has been assigned minor correction number MC11022: [http://www.naesb.org/pdf4/wgq\\_mc11022.doc](http://www.naesb.org/pdf4/wgq_mc11022.doc).)

C11003: Clarification or interpretation request: Clarify the effects of Disclosure Indicator, Minimum Rate Disclosure Indicator, Releasing Shipper Lesser Quantity Indicator, and Shorter Term Indicator on the disclosure of minimum condition elements for EBB / EDI Download portion of NAESB Standard Number 5.4.24.

Recommendation: [http://www.naesb.org/pdf4/c11003\\_rec.docx](http://www.naesb.org/pdf4/c11003_rec.docx)

Request for Comments: [http://www.naesb.org/pdf4/wgq\\_072611\\_reqcom.doc](http://www.naesb.org/pdf4/wgq_072611_reqcom.doc) - Due August 26, 2011

(NOTE: The portion of clarification request C11003 determined to be a request for minor correction and transferred to the Information Requirements Subcommittee has been assigned minor correction number MC11022: [http://www.naesb.org/pdf4/wgq\\_mc11022.doc](http://www.naesb.org/pdf4/wgq_mc11022.doc).)



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Home Page: [www.naesb.org](http://www.naesb.org)

### NAESB UPDATE: VERSION 2.1 – WHOLESALE GAS QUADRANT (WGQ) JULY 26, 2011

R11004 (MC11001-04) - For NAESB WGQ Version 2.1, add the code values ‘Non-Renewal Charge’ and ‘AOS’ for the data element “Rate Identification Code” in data sets: Transactional Reporting – Capacity Release (NAESB WGQ Standard No. 5.4.20), Transactional Reporting – Firm Transportation (NAESB WGQ Standard No. 5.4.21), Offer (NAESB WGQ Standard No. 5.4.24), Bid (NAESB WGQ Standard No. 5.4.25) and Award Download (NAESB WGQ Standard No. 5.4.26).

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11001-04\\_r11004\\_rec.doc](http://www.naesb.org/pdf4/wgq_mc11001-04_r11004_rec.doc)

Request for Comments: [http://www.naesb.org/pdf4/wgq\\_071111reqcom.doc](http://www.naesb.org/pdf4/wgq_071111reqcom.doc) - Due August 11, 2011

R10005- Modify 5.3.26 to eliminate possible disputes over consequences associated with Bid Basis’ not selected by Releasing Shipper

Recommendation: [http://www.naesb.org/pdf4/r10005\\_rec.doc](http://www.naesb.org/pdf4/r10005_rec.doc)

Request for Comments: [http://www.naesb.org/pdf4/wgq\\_071111reqcom.doc](http://www.naesb.org/pdf4/wgq_071111reqcom.doc) - Due August 11, 2011

R09008 - Add two business conditional data elements to the Offer Upload, NAESB WGQ Standard 5.4.7 for (1) Responsibility for Out of Path Overrun and (2) Out of Path Location Changes. These data elements should be conditional in standards 5.4.1 and 5.4.3

Recommendation: [http://www.naesb.org/pdf4/r09008\\_rec.doc](http://www.naesb.org/pdf4/r09008_rec.doc)

Request for Comments: [http://www.naesb.org/pdf4/wgq\\_071111reqcom.doc](http://www.naesb.org/pdf4/wgq_071111reqcom.doc) - Due August 11, 2011

R09009 - Add four business conditional data elements to the imbalance trading NAESB WGQ data sets 2.4.11—2.4.16

Recommendation: [http://www.naesb.org/pdf4/r09009\\_rec.doc](http://www.naesb.org/pdf4/r09009_rec.doc)

Request for Comments: [http://www.naesb.org/pdf4/wgq\\_071111reqcom.doc](http://www.naesb.org/pdf4/wgq_071111reqcom.doc) - Due August 11, 2011

2011 WGQ Annual Plan Item 6 – **Decline** to implement any revisions or modification to 2006 NAESB Base Contract after industry input and discussion under Annual Plan Item 6. “Review typical industry Special Provisions to the NAESB Base Contract for consideration to be integrated into the NAESB Base Contract. Review is to include corresponding updates to other related documents (e.g. Canadian Addendum, ISDA Amendment and Model Credit Support Addendum and Frequently Asked Questions)”

Recommendation: [http://www.naesb.org/pdf4/wgq\\_2011\\_ap\\_6\\_rec\\_070611.doc](http://www.naesb.org/pdf4/wgq_2011_ap_6_rec_070611.doc)

Request for Comments: [http://www.naesb.org/pdf4/wgq\\_070611reqcom.doc](http://www.naesb.org/pdf4/wgq_070611reqcom.doc) - Due August 8, 2011

C10001 - Clarification of the word Tariff under Informational Posting. NAESB WGQ Standard No. 4.3.23 does not specify if the category Tariff under Informational Posting includes negotiated rates, non-conforming agreements, Volume 2s, and X-rate schedules within the definition.

Recommendation: [http://www.naesb.org/member\\_login\\_form.asp?doc=wgq\\_rat063011\\_c10001\\_rec.doc](http://www.naesb.org/member_login_form.asp?doc=wgq_rat063011_c10001_rec.doc) -

Approved by the WGQ EC via Notational Ballot on May 19, 2011 (*Ratification period ends August 1, 2011*)

#### Minor Corrections:

MC10038 - For NAESB WGQ Version 2.1, additional code values for the data elements Transaction Type and Reduction Reason Code in the following data sets as appropriate: Nomination (1.4.1), Confirmation Response (1.4.4), Scheduled Quantity (1.4.5), Scheduled Quantity for Operators (1.4.6), and Confirmation Response data sets as needed to support these requirements. – approved by the WGQ EC via Notational Ballot on January 18, 2011.

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc10038\\_rec\\_011811.doc](http://www.naesb.org/pdf4/wgq_mc10038_rec_011811.doc) (*Effective date April 25, 2011*)

MC10040 - For NAESB WGQ Version 2.1, NAESB WGQ Standard No. 0.4.2 – Operational Capacity, NAESB WGQ Standard No. 1.4.1 – Nomination, NAESB WGQ Standard No. 1.4.3 – Request for Confirmation, NAESB WGQ Standard No. 1.4.4 – Confirmation Response, NAESB WGQ Standard No. 1.4.5 – Scheduled Quantity, NAESB WGQ Standard No. 1.4.6 – Scheduled Quantity for Operator, NAESB WGQ Standard No. 5.4.20 – Transactional Reporting – Capacity Release, NAESB WGQ Standard No. 5.4.21 – Transactional Reporting – Firm



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### NAESB UPDATE: VERSION 2.1 – WHOLESALE GAS QUADRANT (WGQ) JULY 26, 2011

Transportation, NAESB WGQ Standard No. 5.4.24 – Offer, NAESB WGQ Standard No. 5.4.25 – Bid, and NAESB WGQ Standard No. 5.4.26 – Award Download. – approved by the WGQ EC via Notational Ballot on January 18, 2011.

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc10040\\_rec\\_011811.doc](http://www.naesb.org/pdf4/wgq_mc10040_rec_011811.doc) (Effective date April 25, 2011)

MC11005 – For NAESB WGQ Version 2.1, This request proposes the addition of 4 code values for the data element “Rate Identification Code” in the following datasets for the NAESB WGQ Version 2.0 release: NAESB WGQ Standard 5.4.20 – Transactional Reporting – Capacity Release and NAESB WGQ Standard 5.4.21 – Transactional Reporting – Firm Transportation. – approved by the WGQ EC via Notational Ballot on April 8, 2011.

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11005\\_rec\\_040811.doc](http://www.naesb.org/pdf4/wgq_mc11005_rec_040811.doc) (Effective date May 13, 2011)

MC10004/MC10013 – For NAESB WGQ Version 2.1, Add additional Charge Type and Service Requestor Level Charge/Allowance Amount Descriptor code values to NAESB WGQ Standard No. 3.4.1 as approved by the WGQ Executive Committee via Notational Ballot on April 29, 2011.

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc10004\\_mc10013\\_rec\\_042911.doc](http://www.naesb.org/pdf4/wgq_mc10004_mc10013_rec_042911.doc) (Effective date June 16, 2011)

MC11013 – For NAESB WGQ Versions 1.9 and 2.0, Minor Correction of usage for data element Special Terms and Miscellaneous Notes in the NAESB WGQ Standard No. 5.4.25 – Bid approved by the WGQ EC on May 5, 2011.

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11013\\_mc11014\\_rec\\_050511.doc](http://www.naesb.org/pdf4/wgq_mc11013_mc11014_rec_050511.doc) (Effective date June 3, 2011)

MC11014 – Errata for miscellaneous corrections to NAESB WGQ Standards Versions 1.9 and 2.0 approved by the WGQ EC on May 5, 2011.

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11013\\_mc11014\\_rec\\_050511.doc](http://www.naesb.org/pdf4/wgq_mc11013_mc11014_rec_050511.doc) (Effective date June 3, 2011)

MC11016 – For NAESB WGQ Version 2.0 and WEQ Version 002.1, Joint WEQ/WGQ Minor Correction to the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing to correspond to modifications made by FERC to its Implementation Guide for Electronic Filing of Parts 25, 154, 284, 300, and 241 Tariff Filings as noted in the FERC eTariff RSS Feed(s), dated April 18, 2011 approved by the WGQ EC on May 5, 2011 and WEQ EC via Notational Ballot on May 20, 2011.

Recommendation: [http://www.naesb.org/pdf4/weq\\_wgq\\_mc11016.doc](http://www.naesb.org/pdf4/weq_wgq_mc11016.doc) (Effective date June 3, 2011)

MC11017 – For NAESB WGQ Version 2.0, minor correction to correct the code values for the data element in ‘Allowable Re-Release Indicator’ in data set, Officer (NAESB WGQ Standard No. 5.4.24).

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11017\\_rec\\_060711.doc](http://www.naesb.org/pdf4/wgq_mc11017_rec_060711.doc)

MC11018 – For NAESB WGQ Version 2.1, minor correction to add one code value for the data element Reduction Reason the data sets, Confirmation Response (NAESB WGQ Standard No. 1.4.4), Scheduled Quantity (NAESB WGQ Standard No. 1.4.5) and Scheduled Quantity for Operator (NAESB WGQ Standard No. 1.4.6).

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11018\\_rec\\_060711.doc](http://www.naesb.org/pdf4/wgq_mc11018_rec_060711.doc)

MC11001-11004 (R11004) – For NAESB WGQ Version 2.1, add the code values ‘Non-Renewal Charge’ and ‘AOS’ for the data element “Rate Identification Code” in data sets: Transactional Reporting – Capacity Release (NAESB WGQ Standard No. 5.4.20), Transactional Reporting – Firm Transportation (NAESB WGQ Standard No. 5.4.21), Offer (NAESB WGQ Standard No. 5.4.24), Bid (NAESB WGQ Standard No. 5.4.25) and Award Download (NAESB WGQ Standard No. 5.4.26).



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### NAESB UPDATE: VERSION 2.1 – WHOLESALE GAS QUADRANT (WGQ) JULY 26, 2011

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11001-04\\_r11004\\_rec.doc](http://www.naesb.org/pdf4/wgq_mc11001-04_r11004_rec.doc)

MC11019 – For WGQ Version 2.1, Add the code values ‘Swing Service Overtake’ and ‘Unauthorized Take’ for the data element “Transaction Type” in the following data sets: NAESB WGQ Standard No. 2.4.3 – Allocation, NAESB WGQ Standard No. 2.4.4 – Shipper Imbalance and NAESB WGQ Standard No. 3.4.1 – Transportation/Sales Invoice.

Minor Correction Request: [http://www.naesb.org/pdf4/wgq\\_mc11019.doc](http://www.naesb.org/pdf4/wgq_mc11019.doc)

MC11020 – For NAESB WGQ Version 2.0, Minor correction of inadvertent typographical error in published NAESB Standard 6.3.1 - NAESB Base Contract for Sale and Purchase of Natural Gas dated September 5, 2006.

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11020.doc](http://www.naesb.org/pdf4/wgq_mc11020.doc)

MC11021 – For NAESB WGQ Version 2.1, add the code value “Reservation/Enhanced Nomination Service” for data element “Transaction Type” in data set, Transportation/Sales Invoice (NAESB WGQ Standard No. 3.4.1).

Minor Correction Request: [http://www.naesb.org/pdf4/wgq\\_mc11021.doc](http://www.naesb.org/pdf4/wgq_mc11021.doc)

MC11022 – For NAESB WGQ Version 2.0, minor correction to the conditions associated with the download of the Bid (NAESB WGQ Standard No. 5.4.25) for the following data elements: Bid Minimum Quantity - Contract and Bid Minimum Quantity – Location. Such review should consider the Bidder’s selection in the Bidder Lesser Quantity Indicator data element. Minor correction to the conditions associated with the download of the Offer (NAESB WGQ Standard No. 5.4.24) for the following data elements: Minimum Offer Quantity – Contract, Minimum Offer Quantity – Location, Minimum Term, Minimum Acceptable Percentage of Maximum Tariff Rate, and Minimum Acceptable Rate. Such review should consider the Releaser’s selection in the Disclose Indicator, Releasing Shipper Lesser Quantity Indicator, Shorter Term Indicator, and Minimum Rate Disclosure Indicator.

Minor Correction Request: [http://www.naesb.org/pdf4/wgq\\_mc11022.doc](http://www.naesb.org/pdf4/wgq_mc11022.doc)

MC11023 – Errata for NAESB WGQ Version 2.0 - Correct the Data Element Cross Reference to ASCX12 for the N1 sub-detail usages for the data elements Upstream Identifier Code/Upstream Identifier Proprietary Code and Downstream Identifier Code/Downstream Identifier Proprietary Code in the column ‘Usage with Nominator’s Tracking ID P N T U’ from ‘nu nu nu nu’ to ‘M C nu C’

Recommendation: [http://www.naesb.org/pdf4/wgq\\_mc11023.doc](http://www.naesb.org/pdf4/wgq_mc11023.doc)

MC11024 – For NAESB WGQ Version 2.0, minor correction to add the code value "Kansas Ad Valorem Tax Refund" for data element "Charge Type" in data set, Transportation/Sales Invoice (NAESB WGQ Standard No. 3.4.1).

Minor Correction Request: [http://www.naesb.org/pdf4/wgq\\_mc11024.docx](http://www.naesb.org/pdf4/wgq_mc11024.docx)

MC11006 – For NAESB WGQ Version 2.1, minor correction to add a new Nomination Quick Response Validation Codes - To the Nomination Quick Response document (1.4.2), add new Nominations Quick Response Validation Codes (Sub-detail).

Minor Correction Request: [http://www.naesb.org/pdf4/wgq\\_mc11006.doc](http://www.naesb.org/pdf4/wgq_mc11006.doc)

MC11007 – For NAESB WGQ Version 2.1, minor correction to NAESB WGQ Standard No. 5.4.21: Transactional Reporting - Firm, add a code value to the Sender’s Option data element “Capacity Type Indicator” for capacity that is “Primary thru Storage”.

Minor Correction Request: [http://www.naesb.org/pdf4/wgq\\_mc11007.doc](http://www.naesb.org/pdf4/wgq_mc11007.doc)



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### NAESB UPDATE: VERSION 2.1 – WHOLESALE GAS QUADRANT (WGQ) JULY 26, 2011

#### TIMELINE:

- Version 2.1 is scheduled for publication in July 2012.
- To back into this date – all standards should be ratified by date of publication, and EC actions should be taken one month prior, to publication, all subcommittee actions should be taken three months prior to publication.

Month - 4	Subcommittee Recommendations Completed and sent out for comment
Month - 3	EC Actions taken
Month - 2	Ratifications sent out and completes, minor corrections applied
Month - 1	Review of draft publication
Month - 0	Date of Publication.



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Home Page: [www.naesb.org](http://www.naesb.org)

**NAESB UPDATE: VERSION 002.2 – WHOLESALE ELECTRIC QUADRANT (WEQ)  
AUGUST 9, 2011**

### **ACTIONS TO BE APPLIED TO WEQ VERSION 002.1 TO CREATE WEQ VERSION 002.2:**

Version 002.1 was published on March 11, 2009.

#### **2009-10:**

##### Final Actions:

2008 WEQ Annual Plan Item 5(a) – Review and develop business practice standards to support DR and DSM-EE programs – Ratified March 16, 2009 - [http://naesb.org/member\\_login\\_check.asp?doc=fa\\_weq\\_2008\\_api5a.doc](http://naesb.org/member_login_check.asp?doc=fa_weq_2008_api5a.doc) (New WEQ-015)

2009 WEQ Annual Plan Item 3(d) – Order 717, Standards of Conduct – Ratified June 15, 2009 - [http://naesb.org/member\\_login\\_check.asp?doc=fa\\_weq\\_2009\\_api\\_3d.doc](http://naesb.org/member_login_check.asp?doc=fa_weq_2009_api_3d.doc) (WEQ-001, WEQ-002, WEQ-003)

2009 WEQ Annual Plan Item 2(a)(ii)(3) – Rollover Rights on Redirect on a Firm Basis – Ratified July 27, 2009 - [http://naesb.org/member\\_login\\_check.asp?doc=fa\\_weq\\_2009\\_ap\\_2aii3.doc](http://naesb.org/member_login_check.asp?doc=fa_weq_2009_ap_2aii3.doc) (WEQ-001, WEQ-002, WEQ-003, WEQ-013)

2009 WEQ Annual Plan Item 1(a), 3(a)(vii)/R05020 – Modifications to WEQ-004 Coordinate Interchange as approved by the WEQ EC on October 27, 2009 – Ratified December 14, 2009 - [http://naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2009\\_api\\_1a\\_3avii\\_r05020.doc](http://naesb.org/member_login_form.asp?doc=fa_weq_2009_api_1a_3avii_r05020.doc) (WEQ-001, WEQ-002, WEQ-003, WEQ-004, WEQ-013)

Attachment: [http://naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2009\\_api\\_1a\\_3avii\\_r05020\\_attach.doc](http://naesb.org/member_login_form.asp?doc=fa_weq_2009_api_1a_3avii_r05020_attach.doc)

2009 WEQ Annual Plan Item 5(b) – Modify NAESB definition to address internal inconsistencies and inconsistencies with the NERC glossary – approved by the WEQ EC on February 2, 2010 – Ratified March 24, 2010 - [http://naesb.org/member\\_login\\_check.asp?doc=fa\\_weq\\_2009\\_api5b.doc](http://naesb.org/member_login_check.asp?doc=fa_weq_2009_api5b.doc)

2009 WEQ Annual Plan Items 5(a)(2), 5(i)/R08004/R09011 – Multiple Annual Plan Items affecting WEQ-011 Gas/Electric Coordination – Approved by the WEQ EC on June 11, 2010 via Notational Ballot. – Ratified July 15, 2010 - [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2009\\_api\\_5a2\\_5i\\_r08004\\_r09011.doc](http://www.naesb.org/member_login_form.asp?doc=fa_weq_2009_api_5a2_5i_r08004_r09011.doc)

Attachments:

[http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2009\\_api\\_5a2\\_5i\\_r08004\\_r09011\\_attach1.doc](http://www.naesb.org/member_login_form.asp?doc=fa_weq_2009_api_5a2_5i_r08004_r09011_attach1.doc)

2009 WEQ Annual Plan Items 3(a)(ii)(1)/R07013 - Develop a Confidentiality Agreement - [http://www.naesb.org/pdf4/weq\\_2009\\_api\\_3aii1\\_r07013\\_rec.doc](http://www.naesb.org/pdf4/weq_2009_api_3aii1_r07013_rec.doc) - Approved by the WEQ EC on May 4, 2010 (*No further action needed*)

2010 WEQ Annual Plan Item No. 6.a - Requirements Specifications for Common Electricity Product and Pricing Definition – for NIST PAP03 as revised by the WEQ EC on July 7, 2010 – Ratified August 21, 2010 - [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2010\\_api\\_6a.doc](http://www.naesb.org/member_login_form.asp?doc=fa_weq_2010_api_6a.doc)



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801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

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### NAESB UPDATE: VERSION 002.2 – WHOLESALE ELECTRIC QUADRANT (WEQ) AUGUST 9, 2011

2010 WEQ Annual Plan Item No. 6.b - Requirements Specifications for Common Scheduling Mechanism for Energy Transactions – for NIST PAP04 as revised by the WEQ EC on July 7, 2010 – Ratified August 21, 2010 - [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2010\\_api\\_6b.doc](http://www.naesb.org/member_login_form.asp?doc=fa_weq_2010_api_6b.doc)

2010 WEQ Annual Plan Item No. 6.c - Requirements Specifications for Wholesale Standard DR Signals - for NIST PAP09 as revised by the WEQ EC on July 7, 2010 – Ratified August 21, 2010 - [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2010\\_api\\_6c.doc](http://www.naesb.org/member_login_form.asp?doc=fa_weq_2010_api_6c.doc)

2010 WEQ Annual Plan Item 6d – Business Practices and Information Models to Support Priority Action Plan 10 – Standardized Energy Usage Information as approved by the WEQ EC on October 29, 2010 – Ratified November 29, 2010 - [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2010\\_ap\\_6d.doc](http://www.naesb.org/member_login_form.asp?doc=fa_weq_2010_ap_6d.doc)

2010 WEQ Annual Plan Item 1.a.i – Interim Solution for Parallel Flow Visualization as revised by the WEQ EC on October 26, 2010 and approved via notational ballot on November 3, 2010 – Ratified December 6, 2010 - [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_weq\\_2010\\_api\\_1ai.doc](http://www.naesb.org/member_login_form.asp?doc=fa_weq_2010_api_1ai.doc)

2010 WEQ Annual Plan Item 6 (a-c) – Master Data Requirements List for Standards associated with NIST PAP03 and PAP09 as reviewed, revised and subsequently approved via notational ballot on February 18, 2011 by the WEQ EC – Ratified March 21, 2011: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_2010\\_weq\\_api\\_6\\_a-c.doc](http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_6_a-c.doc)

2010 WEQ Annual Plan Item 6a(ii) – Phase 2: Requirements Specifications for Common Electricity Product and Pricing Definition for NIST PAP03 as reviewed, revised and subsequently approved via notational ballot on February 18, 2011 by the WEQ EC – Ratified March 21, 2011: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_2010\\_weq\\_api\\_6\\_a\\_ii.doc](http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_6_a_ii.doc)

2010 WEQ Annual Plan Item 6b – Phase 2: Requirements Specifications for Common Scheduling Mechanism for Energy Transactions for NIST PAP04 as reviewed, revised and subsequently approved via notational ballot on February 18, 2011 by the WEQ EC – Ratified March 21, 2011: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_2010\\_weq\\_api\\_6\\_b\\_ii.doc](http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_6_b_ii.doc)

2010 WEQ Annual Plan Item 6c – Phase 2: Requirements Specifications for Wholesale Standard DR Signals for NIST PAP09 as reviewed, revised and subsequently approved via notational ballot on February 18, 2011 by the WEQ EC – Ratified March 21, 2011: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_2010\\_weq\\_api\\_6\\_c\\_ii.doc](http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_6_c_ii.doc)

2010 WEQ Annual Plan Items 4a and 4b - Review and develop business practice standards to support DR and DSM-EE programs (DR Phase 2) as reviewed, revised and subsequently approved via notational ballot on February 18, 2011 by the WEQ EC – Ratified March 21, 2011: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_2010\\_weq\\_api\\_4a\\_4b.doc](http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_4a_4b.doc)

2010 WEQ Annual Plan Item 4d - Business Practice Standards for Measurement Verification of Energy Efficiency Products as approved by the WEQ EC via notational ballot on April 8, 2011 – Ratified May 13, 2011.  
Recommendation: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_2010\\_weq\\_api\\_4d.doc](http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_4d.doc)



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801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NAESB UPDATE: VERSION 002.2 – WHOLESALE ELECTRIC QUADRANT (WEQ) AUGUST 9, 2011

#### Recommendations:

2009 WEQ Annual Plan Item 2(a)(i)(1-8) – Develop business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC’s Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order. Development is using joint standards development process with NERC. Request R050004 was expanded to include the Order No. 890 ([Docket Nos. RM05-25-000 and RM05-17-000](#)) and Order No. 890-A ([Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](#)), “Preventing Undue Discrimination and Preference in Transmission Services,” issued April 11, 2007). Group 3: Network Service on OASIS – Recommendation currently under development by the WEQ OASIS Subcommittee [http://naesb.org/weq/weq\\_oasis.asp](http://naesb.org/weq/weq_oasis.asp)

2009 Annual Plan Item 2.a.i.1 through 2.a.i.8 and 3.a.i - Network Service on OASIS – Recommendation currently under development by the WEQ OASIS Subcommittee.

Draft Recommendation: [http://www.naesb.org/pdf4/weq\\_oasis062110reqcom\\_a1.doc](http://www.naesb.org/pdf4/weq_oasis062110reqcom_a1.doc)

Request for Informal Comments - [http://www.naesb.org/pdf4/weq\\_oasis062110reqcom.doc](http://www.naesb.org/pdf4/weq_oasis062110reqcom.doc) - *comment period ended July 12, 2010*

2010 WEQ Annual Plan Item 1.d – Monitor and develop NAESB business practices as needed to complement NERC reliability standards for FAC-012 and FAC-013

Recommendation: [http://www.naesb.org/pdf4/weq\\_2010\\_api\\_1d\\_rec.doc](http://www.naesb.org/pdf4/weq_2010_api_1d_rec.doc)

Request for Formal Comments - [http://www.naesb.org/pdf4/weq\\_092410\\_reqcom.doc](http://www.naesb.org/pdf4/weq_092410_reqcom.doc) - *comment period ended October 25, 2010*

2011 WEQ Annual Plan Items 2.a.iii.1 through 2.1.iii.3 - Service Across Multiple Transmission Systems (SAMTS) as reviewed and subsequently approved by the WEQ Executive Committee via notational ballot on July 8, 2011.

Recommendation:

[http://www.naesb.org/member\\_login\\_form.asp?doc=weq\\_rat071111\\_weq\\_2011\\_ap\\_2aiii1\\_to\\_2aiii3\\_rec.doc](http://www.naesb.org/member_login_form.asp?doc=weq_rat071111_weq_2011_ap_2aiii1_to_2aiii3_rec.doc)

- *ratification period ends August 11, 2011*

2011 WEQ Annual Plan Item 2.a.iv.1 - Paragraph 1390 of Order 890 - Terminations related to: deficient requests, customer failure to pay required annual reservation fee, and customer modifications to applications which are meaningfully different. (*WEQ OASIS Subcommittee recommendation – No action to be taken*)

Recommendation: [http://www.naesb.org/pdf4/weq\\_2011\\_api\\_2\\_a\\_iv\\_1\\_rec.doc](http://www.naesb.org/pdf4/weq_2011_api_2_a_iv_1_rec.doc)

Request for Formal Comments - [http://www.naesb.org/pdf4/weq\\_080911\\_reqcom.doc](http://www.naesb.org/pdf4/weq_080911_reqcom.doc) - *comment period ends September 8, 2011*

2011 WEQ Annual Plan Item 7.a - Review standards 001-14.1.3 and 001-15.1.2 based on FERC Order No. 676-E.

Recommendation: [http://www.naesb.org/pdf4/weq\\_2011\\_api\\_7a\\_rec.doc](http://www.naesb.org/pdf4/weq_2011_api_7a_rec.doc)

Request for Formal Comments - [http://www.naesb.org/pdf4/weq\\_080911\\_reqcom.doc](http://www.naesb.org/pdf4/weq_080911_reqcom.doc) - *comment period ends September 8, 2011*

2011 WEQ Annual Plan Item 5.a / R08001 / R08002 / R08003 / R08005 - Make consistency changes to Version 2.2.

Recommendation: [http://www.naesb.org/pdf4/weq\\_2011\\_api\\_5a\\_r08001\\_r08002\\_r08003\\_r08005\\_rec.doc](http://www.naesb.org/pdf4/weq_2011_api_5a_r08001_r08002_r08003_r08005_rec.doc)

Request for Formal Comments - [http://www.naesb.org/pdf4/weq\\_080911\\_reqcom.doc](http://www.naesb.org/pdf4/weq_080911_reqcom.doc) - *comment period ends September 8, 2011*



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801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
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### NAESB UPDATE: VERSION 002.2 – WHOLESALE ELECTRIC QUADRANT (WEQ) AUGUST 9, 2011

#### Minor Corrections:

Minor Correction MC11016, Submitted by D. Rager, NAESB – For NAESB WGQ Version 2.0 and WEQ Version 002.1, Joint WEQ/WGQ Minor Correction to the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing to correspond to modifications made by FERC to its Implementation Guide for Electronic Filing of Parts 25, 154, 284, 300, and 241 Tariff Filings as noted in the FERC eTariff RSS Feed(s), dated April 18, 2011 approved by the WGQ EC on May 5, 2011 and WEQ EC via Notational Ballot on May 20, 2011:  
[http://www.naesb.org/pdf4/weq\\_wgq\\_mc11016\\_052011.doc](http://www.naesb.org/pdf4/weq_wgq_mc11016_052011.doc) - (Effective date June 23, 2011)

Minor Correction MC11015, Submitted by Bob Harshbarger, Puget Sound Energy – For NAESB WEQ Version 002.1, Minor Correction to NAESB WEQ Electronic Tagging – Functional Specifications, Version 1.8.1 - Correct links to e-Tag 1.8.1 XML Schema and WECC web site in NAESB WEQ Electronic Tagging – Functional Specifications, Version 1.8.1 approved by the WEQ EC via Notational Ballot on May 20, 2011:  
[http://www.naesb.org/pdf4/weq\\_mc11015\\_052011.doc](http://www.naesb.org/pdf4/weq_mc11015_052011.doc) - (Effective date June 23, 2011)

Minor Correction MC11009, Submitted by Ed Skiba, Midwest ISO – For NAESB WEQ Version 002.2, Minor Correction to Diagram for Meter Before/Meter After Definition (WEQ-000) approved by the WEQ EC via Notational Ballot on April 8, 2011: [http://www.naesb.org/pdf4/weq\\_mc11009\\_rec\\_040811.doc](http://www.naesb.org/pdf4/weq_mc11009_rec_040811.doc) (Effective date May 13, 2011)

Minor Correction MC11011, Submitted by Kathy York, Jim Castle and Ed Skiba – For NAESB WEQ Version 002.1, Minor Correction to Manual Time Error Correction (WEQ-006) - to suspend the NAESB Business Practice Standards for WEQ 006-1 through WEQ 006-12 based on the motion approved by the NERC Operating Committee at their March 9, 2011 meeting approved by the WEQ EC via Notational Ballot on April 8, 2011:  
[http://www.naesb.org/pdf4/weq\\_mc11011\\_rec\\_040811.doc](http://www.naesb.org/pdf4/weq_mc11011_rec_040811.doc) (Effective date May 13, 2011)

Minor Correction MC10041, Submitted by D. Rager, NAESB - For NAESB WGQ Version 2.0 and WEQ Version 002.1, Joint WEQ/WGQ Minor Correction to the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing to correspond to modifications made by FERC to its Implementation Guide for Electronic Filing of Parts 25, 154, 284, 300, and 241 Tariff Filings as noted in the FERC eTariff RSS Feed(s), dated October 8, 2010 approved by the WEQ and WGQ ECs via Notational Ballot on December 20, 2010:  
[http://www.naesb.org/pdf4/weq\\_wgq\\_mc10041\\_122010.doc](http://www.naesb.org/pdf4/weq_wgq_mc10041_122010.doc) (Effective date February 3, 2011)

Minor Correction MC10033, Submitted by Y. Coleman, Bonneville Power Administration – For NAESB WEQ Version 002.1, WEQ-003 Data Dictionary and WEQ-013 Implementation Guide approved by the WEQ EC on October 26, 2010: [http://www.naesb.org/pdf4/weq\\_mc10033\\_102610.doc](http://www.naesb.org/pdf4/weq_mc10033_102610.doc) (Effective date January 3, 2011)

Minor Correction MC10032, Submitted by E. Skiba, JT. Wood, N. Saini, M.Otondo – For NAESB WEQ Version 002.1, WEQ 2010 AP Item 1.a.i – Interim Solution for Parallel Flow Visualization revised/approved by the WEQ EC on October 26, 2010: [http://www.naesb.org/pdf4/weq\\_mc10032\\_102610.doc](http://www.naesb.org/pdf4/weq_mc10032_102610.doc) (Effective date January 3, 2011)

Minor Correction MC10019, Submitted by D. Davis, Williams Gas Pipeline for NAESB WGQ Version 1.9: Joint NAESB WEQ Version 002.1 Standard WEQ-014-A and WGQ Version 1.0 Standard No. 11.4.1 (Implementation Guide for Electronic Tariff Filing) revised/approved by the WEQ EC on August 17, 2010 and the WGQ EC on August 19, 2010: [http://www.naesb.org/pdf4/wgq\\_weq\\_mc10019\\_revised.doc](http://www.naesb.org/pdf4/wgq_weq_mc10019_revised.doc) (Effective date October 7, 2010)



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801 Travis, Suite 1675, Houston, Texas 77002  
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### NAESB UPDATE: VERSION 002.2 – WHOLESALE ELECTRIC QUADRANT (WEQ) AUGUST 9, 2011

Minor Correction MC10031, WEQ-001 Minor Correction to be applied to Version 002.2, Submitted by M. Goldberg, ISO New England Inc. revised/approved by the WEQ EC on August 17, 2010:  
[http://www.naesb.org/pdf4/weq\\_mc10031\\_revised.doc](http://www.naesb.org/pdf4/weq_mc10031_revised.doc) (Effective date October 7, 2010)

Minor Correction for WEQ-001 to be applied to Versions 002.1 and 002.2 submitted by JT Wood, Southern Company - approved by the WEQ Executive Committee on October 27, 2009:  
[http://www.naesb.org/pdf4/weq\\_mc111209\\_attach1\\_revised.doc](http://www.naesb.org/pdf4/weq_mc111209_attach1_revised.doc) (Effective date December 14, 2009)

#### TIMELINE:

- Version 002.2 is scheduled for publication end of third quarter 2011.
- To back into this date – all standards should be ratified by date of publication, and EC actions should be taken one month prior, to publication, all subcommittee actions should be taken three months prior to publication.

Month - 4	Subcommittee Recommendations Completed and sent out for comment
Month - 3	EC Actions taken
Month - 2	Ratifications sent out and completes, minor corrections applied
Month - 1	Review of draft publication
Month - 0	Date of Publication.



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### NAESB UPDATE: VERSION 1.4 – RETAIL ELECTRIC AND RETAIL GAS QUADRANT (REQ/RGQ) AUGUST 9, 2011

#### ACTIONS TO BE APPLIED TO RETAIL VERSION 1.3 TO CREATE RETAIL VERSION 1.4:

Version 1.3 was published on March 31, 2011.

#### 2011-12:

##### Final Actions:

2011 Retail Annual Plan Item 8(d)/R10012 – Third Party Access to Smart Meter-based Information as approved by the REQ Executive Committee on July 7, 2011.

Final Action: [http://www.naesb.org/member\\_login\\_form.asp?doc=fa\\_req\\_r10012.doc](http://www.naesb.org/member_login_form.asp?doc=fa_req_r10012.doc) - Ratified August 8, 2011

##### Recommendations:

2011 Retail Annual Plan Item 8(c)/R10008 - Develop standards to support inclusion of OpenADE requirements document into the NAESB Smart Grid standards (R10008), specifically to standardize the exchange of Energy Usage Information.

Recommendation: [http://www.naesb.org/pdf4/r10008\\_rec\\_070711.docx](http://www.naesb.org/pdf4/r10008_rec_070711.docx)

Request for Formal Comments due August 8, 2011: [http://www.naesb.org/pdf4/req\\_070711\\_reqcom.doc](http://www.naesb.org/pdf4/req_070711_reqcom.doc)

2011 Retail Annual Plan Item 7 – Supplier Marketing Practices.

Recommendation: [http://www.naesb.org/pdf4/retail\\_2011\\_ap\\_7\\_rec.doc](http://www.naesb.org/pdf4/retail_2011_ap_7_rec.doc)

Request for Formal Comments due August 12, 2011: [http://www.naesb.org/pdf4/retail\\_071311\\_reqcom.doc](http://www.naesb.org/pdf4/retail_071311_reqcom.doc)

##### Minor Corrections:

#### TIMELINE:

- Version 1.4 is scheduled for publication in April 2012.
- To back into this date – all standards should be ratified by date of publication, and EC actions should be taken one month prior, to publication, all subcommittee actions should be taken three months prior to publication.

Month - 4	Subcommittee Recommendations Completed and sent out for comment
Month - 3	EC Actions taken
Month - 2	Ratifications sent out and completes, minor corrections applied
Month - 1	Review of draft publication
Month - 0	Date of Publication.



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August 1, 2011

**TO:** NAESB Board of Directors, Executive Committee (EC) Members, EC Alternates, and Invited Guests  
**FROM:** Cory Galik Cummings, NAESB Staff Attorney  
**RE:** Draft Minutes of the NAESB Board Meeting –June 23, 2011

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**NAESB BOARD OF DIRECTORS MEETING**  
**Marriott Hotel, Houston, Texas**  
**Thursday, June 23, 2011 – 9:00 a.m. to 1:00 pm Central**  
**FINAL MINUTES**

### 1. Administration and Welcome

Ms. Crockett welcomed the Board members and guests in the room and on the phone. Ms. Cummings provided the antitrust guidance and called the roll of the NAESB Board members. Quorum was established.

### 2. Adoption of the Agenda and Minutes

Mr. Hurley moved, seconded by Mr. Rodriguez, to approve the consent agenda. The motion passed unanimously.

### 3. Membership and Financial Report

Membership Report: Ms. McQuade reviewed the [membership report](#). She noted that NAESB lost four members this year, but that membership tends to increase through the year.

Financial Report: Ms. Wishart provided the [financial report](#). Spending increases can be attributed to an increase in the number of meetings being held; NAESB hosted 450 meetings by this time last year and has held over 600 so far this year.

### 4. Reports from Board Committees

Resources: Mr. Booe provided the [report](#) of the Resources Committee. He stated that NAESB had a positive gain of three members since the last Board meeting. Access to standards and participation have been the primary drivers for companies to join. Ms. McQuade noted that NAESB staff would be attending the summer NARUC meetings and would be meeting with various state commission staff, which could hopefully increase interest in membership.

Critical Infrastructure Committee: Mr. Burks provided an [update](#) of the activities of the Critical Infrastructure Committee. He reviewed the April 15 Critical Infrastructure Committee meeting. He noted that the mission of the committee is to inform the Board of any critical infrastructure issues that may have an impact on NAESB. Mr. Hurley would give a more detailed update in agenda item 6.

Retail Restructuring Update: Mr. Minneman provided the update for the Retail Restructuring Committee. Membership has increased in the Retail Electric Quadrant (REQ) due to the energy efficiency and Smart Grid efforts. The Retail Gas Quadrant (RGQ) membership, however, has remained low. The activities that led to the increase in the REQ are not as relevant to the RGQ. The committee continues to discuss ways in which to increase RGQ membership.

Parliamentary Committee: Ms. Crockett provided the [review](#) of the Parliamentary Committee. Since the last Board meeting, the committee has worked on changes to the NAESB operating practices in regards to abstention votes at the EC level and fully staffing of minor corrections for publications. These changes will be presented to the Board for approval in September.

Certification Committee: Mr. Spangler provided the [update](#) of the Certification Committee. The committee has met since April to discuss the requirements to become an Authorized Certificate Authority (ACA) for the Public Key



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Infrastructure standards (WEQ-012). He noted that meetings were open to all interested participants. The committee plans to have ACA requirements to the Board for approval in September.

Gas-Electric Coordinating Committee: This subcommittee has not begun to meet. At the last Board meeting, Ms. Crockett asked for volunteers to join the committee. Several Board members have expressed interest but NAESB is awaiting further FERC and National Petroleum Council direction prior to activating the committee.

Managing Committee: Ms. Crockett noted that the Managing Committee has not met since the last Board meeting.

### 5. Implications of the Dodd-Frank Bill to NAESB

Mr. Sappenfield and Mr. Coggins presented a [power point presentation](#), which contained a great deal of background information and definitions included the bill. Mr. Boswell asked if the bill would only apply to publicly traded companies. Mr. Sappenfield answered that it would apply to anyone who has an end-user derivative, which could include farmers, co-ops, and more. Ms. McQuade asked if there has been any analysis on the number of reports that will be generated once companies begin complying. Mr. Sappenfield answered that the number of reports and their complexity was vastly underestimated. Board members discussed the uncertainty in the bill and how it may impact the market. Mr. Sappenfield noted that several companies were considering a reduction of their activity in an effort to avoid being considered a major swap participant or a swap dealer due to the extra burdens of regulations and requirements over their business activity. The definition of swap dealer is unclear, which may result in the inclusion of many parties that do not currently believe they are swap dealers.

### 6. Status of pending legislation related to cyber-security that may impact NAESB

Mr. Hurley provided the update. He noted several cyber-attacks, which present the biggest threat to the Department of Defense and intelligence community. He noted several prominent companies that have been the victims of such attacks, including Sega, Citibank, Bank of America, and others. These attacks raise questions about how information is being protected and the need for more laws on data privacy. He stated that the idea of private standards setting is resonating with Congress. Under the Grid Act, FERC could issue final Orders without a notice of proposed rulemaking (NOPR), which will impact the ability of the industry to voice concerns.

### 7. Update on Rice University's activities related to the energy industry and NASA

Mr. Pena provided the update. He stated that President Obama plans to put together a task force on ocean safety in the Department of the Interior. He noted that the Johnson Space Center, with the end of the NASA shuttle program, has the knowledge and capability to provide this service. The employees at NASA are skilled in safety, reliability and quality assurance, which is vital for the ocean safety work. Ms. McQuade noted that a section of the upcoming National Petroleum Council report related to both onshore and offshore energy production safety and environmental awareness and suggested they would be a valuable resource in this effort.

### 8. Updates on Specific Efforts

Publications: Ms. Rager provided an update of the NAESB publication schedule. The next [WGQ publication](#), Version 2.1, will occur in July of 2012. The [WEQ Version 2.2](#) is scheduled to be published in September, 2011. The [Retail Version 1.4](#) will be published in April, 2012.

WEQ, Update on FERC Order No. 890 efforts: Ms. York provided an update on the Order No. 890 efforts. The OASIS subcommittee continues its work on Network Integrated Transmission Service (NITS) and the standards for Scheduling of Transmission Service Across Multiple Transmission Systems (SAMTS). During the last quarter, the subcommittee chairs met with the Executive Committee leadership and agreed to focus efforts on the completion of the SAMTS standards. Once those standards were completed, the subcommittee could focus on the NITS standards, which will be voluminous. With that direction, the subcommittee completed the SAMTS standards, which will be voted on June 30. The team held a preliminary teleconference to review the standards and allow industry participants to ask any questions they may have. Thirteen sets of formal comments were received and will be reviewed by the subcommittee prior to the EC vote. The completion date for the NITS standards has been extended to the third quarter of 2011 to allow for the SAMTS work to be completed.



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801 Travis, Suite 1675, Houston, Texas 77002  
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WEQ/Retail Electric, Update on Demand Response and Demand Side Management: Since the last Board meeting, the WEQ Energy Efficiency recommendation was approved via notational ballot on April 18, 2011 and ratified by membership on May 13, 2011. The Wholesale Electric Energy Efficiency Standards were filed jointly with the Wholesale Electric Demand Response Standards on April 30, 2011. In that filing, NAESB informed the Commission that the Demand Response standards went as far as possible without impacting the ISO/RTO stakeholder process. Any further detail will require a directive from the FERC to do so. With the completion of the Phase 2 Demand Response Model Business Practices, the Retail DR work group has focused its efforts on R10002, which is a request to develop Model Business Practices for Enrollment in Demand Response programs. Mr. Miyaji, of Comverge, supplied the work group with a presentation of Comverge's enrollment process. James Tillett, the original requestor, agreed that Comverge's enrollment process was a good starting point for the work group's efforts. In response to that direction, Phil Precht created process flows to map out the enrollment process to be used in the model business practices. The process flows were revised during the last retail DR work group conference call on June 8. The next Retail DR conference call is scheduled for Wednesday, July 13 from 1:00 to 3:00 pm Central.

The Retail Energy Efficiency work group continues to work on its recommendation. During the May Retail EC meeting, the co-chairs of the work group expressed concern regarding the scope of the recommendation. As the work group was drafting the recommendation there was concern voiced that the scope was too broad, while others thought the scope was not broad enough. There was also concern raised that NAESB's efforts were overlapping the SEE Action effort led by the Department of Energy. A conference call was held between the DOE, NARUC and NAESB to address this concern. During that meeting, it became apparent that there was not redundancy in the two efforts. As a result, several participants volunteered to take the recommendation in its current form and complete a full set of model business practices. The model business practices will be complete in mid-July and a Retail Energy Efficiency work group meeting has been scheduled for July 18 to review the work product at the work group level. A full DSM-EE subcommittee conference call has been scheduled for July 27 from 1 to 3 pm to address any concerns and offer guidance to the Retail EE work group as they complete their work efforts. DOE will be included in the review of the NAESB Retail EE model business practices, to ensure that the efforts are complementary, but not duplicative.

RFP Status for the Electric Industry Registry: Ms. Cummings provided the update. NAESB and OATI continue to work closely to transfer the TSIN registry from NERC to NAESB. OATI has completed the functional specifications, which was approved by both NERC and NAESB, and work has begun on the development of the new webRegistry. A meeting will be scheduled shortly to present the webRegistry timeline to the industry.

Smart Grid Activities: Mr. Booe provided the update. The NAESB staff completed the draft report that will be filed with the FERC and provided to NARUC on the standards developed in response to Priority Action Plans 3, 4, 9 and 10. The report is currently being circulated among the managing committee and informally with FERC and NIST staff. It will be finalized within the next week. The OASIS standards setting organization is still in the process of drafting the specifications based upon NAESB's data requirements for priority action plans 3, 4 and 9. The Energy Usage Information Model developed in response to priority action plan 10 is being evaluated and voted upon by the Smart Grid Interoperability Panel (SGIP) for inclusion in the Catalog of Standards. The voting period closes on July 7. The next SGIP meeting is scheduled for July 12-1<sup>h</sup> in Montreal and will focus on international collaboration.

The Energy Services Provider Interface Task Force has continued to meet weekly over the last quarter to develop a recommendation in response to REQ AP Item 9.e (the standardization of the Open ADE specification – which is a specification that describes communications between utilities, customers and third party service providers). This standard is considered an extension of the PAP 10 Energy Usage Information Model and is being monitored by leadership within the SGIP. The task force distributed a draft recommendation for an informal comment period and is currently in the process of reviewing the submitted comments and providing resolutions. The task force is working under an expedited schedule to meet its second quarter deadline and plans to vote the recommendation out during the first week of July.

The REQ Data Privacy Task Force, which is responsible for addressing request R10012 to develop model business practices that will set forth standards for the release of consumer information to third parties and the privacy policies



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and practices those third parties should employ, has completed its efforts. The task force unanimously voted out a recommendation on May 19 for a formal comment period which ended on June 20. The task force has scheduled a meeting for Monday, June 27 from 10:00 am to 2:00 pm Central to review the formal comments submitted (6 sets) and provide a set of late comments that will be reviewed by the REQ EC during a single topic review session on June 30 and voted on during a July 7 conference call. This effort was completed by the task force on a truncated timeline of four months at the requests of NARUC and state commission staff members who participated heavily. If approved, the recommendation will become a final action in early August.

Update on Parallel Flow Visualization: Ms. York provided the update. The business practice subcommittee hit a milestone over the last quarter with its work to develop a long-term solution for the Parallel Flow Visualization project. The subcommittee voted to focus on the development of a hybrid method that includes generator prioritization. This decision came after record voting on a subcommittee call, which demonstrates that this work is one of the most important items that the WEQ is working on at this time. The purpose of these standards is to help alleviate curtailment issues by improving the data that is sent to the NERC Interchange Distribution Calculator. With monthly meeting scheduled for the remainder of the year, the subcommittee will focus its work on the development of its recommendation by end of the fourth quarter.

Update on Common Codes: Ms. Davis provided the review. Since the last Board meeting, the WGQ business practice subcommittee has continued to meet to discuss common codes. A survey was completed in which industry feedback noted that common codes were not considered necessary and could be replaced with proprietary codes. A meeting between FERC staff and the WGQ BPS has been scheduled to discuss the changes currently being considered by the subcommittee. FERC feedback is vital to these changes, as common codes are referenced several times throughout FERC regulations.

Update on streamlining WGQ standards: Ms. Davis noted that the first four items in the WGQ annual plan relate to clean up and streamlining of the WGQ standards. It is anticipated that this work will be completed by the July 2012 publication deadline.

Update on development of WGQ Gas Contract: Mr. Sappenfield provided the update. These development efforts were concluded after a survey and discussion on whether to incorporate special provisions into the NAESB gas contract clarified that such changes were not required at this time.

### **9. Old and New Business**

Ms. McQuade stated that NAESB had made several filings in recent weeks. The NAESB office filed the DSM-EE standards with plans to file SAMTS, two minor correction filings and the Smart Grid filings shortly.

Ms. McQuade reviewed the Board meeting schedule for the remainder of 2011.

### **10. Adjourn**

The meeting adjourned at 12:25 pm Central.



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### 10. Board Attendance and Voting Record (Vacancies Omitted)

<b>WGQ PRODUCERS SEGMENT</b>		<b>ATTENDANCE</b>
Richard D. Smith	Regulatory & Compliance Manager, Noble Energy Inc.	
Mark Stultz	Vice President – Policy and Regulatory Affairs, US America Gas and Power, BP Energy Company	In Person
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA), Inc.	In Person
Randy E. Parker	Global Regulatory Advisor, ExxonMobil Gas and Power Marketing Company	
Catherine Abercrombie	Regulatory Affairs, ConocoPhillips Gas and Power Marketing	
<b>WGQ PIPELINE SEGMENT</b>		
Douglas Field	Manager – Compliance, Southern Star Ventral Gas Pipeline	Phone
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	In Person
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	In Person
Randy Young	Vice President – Regulatory Compliance and Corporate Services, Boardwalk Pipeline Partners, LP	In Person
Richard Kruse	Senior Vice President, Spectra Energy Transmission	In Person
<b>WGQ LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>		
Craig Colombo	Energy Trader III, Dominion Resources	Phone
Tim Sherwood	Managing Director of Gas Operations and Capacity Planning, AGL Resources	
David W. Hadley	Senior Vice President – Regulatory Affairs, NiSource, Inc.	
<b>WGQ END USERS SEGMENT</b>		
Valerie Crockett	Senior Program Manager – Energy Markets & Policy, Tennessee Valley Authority	In Person
Timothy W. Gerrish	Director of Origination-Energy Marketing and Trading, Florida Power & Light	
Tina Burnett	Natural Gas Resources Administrator, The Boeing Company	In Person
Lori-Lynn C. Pennock	Senior Fuel Supply Analyst, Salt River Project	In Person
Jim Templeton	Principal, Comprehensive Energy Services	
<b>WGQ SERVICES SEGMENT</b>		
Darilyn Jones	Senior Vice President – Risk Control, Sequent Energy Management	In Person
Rusty Braziel	Managing Director, Bentek Energy, LLC	
Marty Patterson	Senior Vice President Commercial Services, American Midstream Partners, LP	
Paul Kahler	Midstream Regulatory Advisor, Cenovus Energy Inc.	
Jeff Miers	Senior Executive (Partner), Accenture LLP	



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### 10. Board Attendance and Voting Record (Vacancies Omitted)

#### REQ SERVICE PROVIDERS/SUPPLIERS SEGMENT

Wendell Miyaji	Senior Director – Systems, Comverge, Inc.	In Person
Jim Minneman	Controller, PPL Solutions LLC	In Person
J Cade Burks	Executive Vice President of ista	In Person
Austin Morris	Managing Partner – Energy, SunGard Consulting Services, LLC	

#### REQ UTILITIES SEGMENT

Brandon Stites	Director – Energy Conservation & Advanced Metering, Dominion Virginia Power	In Person
Dennis Derricks	Director Regulatory Policy and Analysis, Wisconsin Public Service Corporation	
Ruth Kiselewich	Director – Demand Side Management Programs, Baltimore Gas & Electric Company	
Debbie McKeever	Market Advocate, Oncor	In Person

#### REQ END USERS/PUBLIC AGENCIES SEGMENT

Kevin Cooney	Managing Director – Energy, Navigant Consulting, Inc.	In Person
James P. Cargas	Senior Assistant City Attorney, City of Houston	

#### WEQ TRANSMISSION SEGMENT

#### SUBSEGMENT

Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	Muni/Coop	Phone
Chuck Feagans	Senior Manager, Reliability Policy, Tennessee Valley Authority	Fed/State/Prov	Phone
Terry Coggins	Manager – Transmission Policy, Southern Company Transmission	IOU	In Person
Mike Montoya	Director of Grid Advancement, Southern California Edison	at large	
Edward J. Davis	Policy Consultant, Entergy Services, Inc.	at large	In Person

#### WEQ GENERATION SEGMENT

Douglas L. Curry	Administrator and CEO, Lincoln Electric System	Muni/Coop	
Kathy York	Senior Program Manager – Energy Markets, Policy and Compliance Reporting, Tennessee Valley Authority	Fed/State/Prov	In Person
Lou Oberski	Director – Electric Market Policy, Dominion Resources Services, Inc.	IOU	Phone
Wayne Moore	Regulatory Affairs & Energy Policy Director and Compliance Officer – Generation, Southern Company Services, Inc.	IOU	
Elizabeth Killinger	Senior Vice President – Customer Operations, NRG Energy, Inc.	at large	Phone
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	at large	In Person



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### 10. Board Attendance and Voting Record (Vacancies Omitted)

#### WEQ MARKETERS/BROKERS SEGMENT

Roy True	Manager of Regulatory and Market Affairs, ACES Power Marketing	Muni/Coop	
Jeff Ackerman	Manager – Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Fed/State/Prov	.
Gavin Cunningham	Manager – FirstEnergy Solutions Corp.	at large	Phone
Jim Drake	Trading Desk Head – Power, Florida Power & Light	IOU	
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	Phone

#### WEQ DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT

Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	In Person
Paul McCurley	Manager – Power Supply, National Rural Electric Cooperative Association	Muni/Coop	
Andrew Rodriquez	Director of Standards Development, North American Electric reliability Corporation (NERC)	IOU	In Person
Nelson Peeler	Vice President System Operations, Duke Energy	IOU	Phone
Joe Hartsoe	Managing Director – Federal Policy, American Electric Power Service Corp.	at large	Phone
Bruce Ellsworth	New York State Reliability Council	At-Large	In Person

#### WEQ END USERS SEGMENT

Jesse D. Hurley	Chief Executive Officer, Shift Research, LLC	at large	In Person
Aaron Breidenbaugh	Senior Manager – Regulatory Affairs and Public Policy – New York, EnerNOC, Inc.	at large	
Thomas G. Dvorsky	Director of the Office of Electricity, Gas, and Water at the New York State Department of Public Service, rep. National Association of Regulatory Utility Commissioners	Regulator	
Marie Pieniazek	Consultant, Rep: Energy Curtailment Specialists, Inc.	at large	
Michehl Gent	Open Access Technology International, Inc.	At-Large	In Person

#### WEQ INDEPENDENT GRID OPERATORS/PLANNERS

Michael Desselle	Vice President Process Integrity, Southwest Power Pool		In Person
Michael Cleary	Senior Vice President and COO, ERCOT		In Person
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.		Phone
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)		Phone
Andy Ott	Senior Vice President Marketing, PJM Interconnection, LLC		Phone
Bill Phillips	Vice President Standards Compliance & Strategy, Midwest ISO (MISO)		In Person



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 Home Page: [www.naesb.org](http://www.naesb.org)

### 10. Board Attendance and Voting Record (Vacancies Omitted)

Mark Wilson	Director of Corporate Planning, Independent Electricity System Operator (IESO)	Phone
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#### WEQ TECHNOLOGY AND SERVICES

Jim Buccigross	Vice President Energy Industry Practice, 8760 Inc.	
Laurent M. Liscia	Executive Director, Organization for the Advancement of Structured Information Standards (OASIS)	
David A. Wollman	Leader, Smart Grid Team – Standards and Electrical Metrology Groups, National Institute of Standards and Technology (NIST)	Phone
Sylvia Munson	Director – Product Management and Regulatory Compliance, SunGard Energy and Commodities	In Person
Dr. Scott Coe	Vice President, Utility Integration Solutions, Inc. (UISOL)	In Person

#### RGQ SERVICE PROVIDERS/SUPPLIERS SEGMENT

Leigh Spangler	President, Latitude Technologies Inc.	In Person
Joseph Monroe	Vice President – External Affairs, SouthStar Energy Services, LLC	In Person
Dave Darnell	President & CEO, Systrends USA	Phone
Greg Lander	President, Capacity Center	Phone

#### RGQ DISTRIBUTORS SEGMENT

Alonzo Weaver	Vice President of Engineering and Operations, Memphis Light, Gas & Water Division (APGA)	In Person
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.	Phone
Mike Novak	Assistant General Manager – Federal Regulatory Affairs, National Fuel Gas Distribution	Phone

#### RGQ END USERS/PUBLIC AGENCIES SEGMENT



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### 13. Other Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	In Person
Bill Boswell	NAESB	In Person
Christopher Burden	Williams Gas Pipeline	Phone
Jim Castle	NYISO	In Person
Cory Cummings	NAESB	In Person
Dale Davis	Williams Gas Pipeline	In Person
Bill Griffith	El Paso Natural Gas	In Person
Annunciata Marino	Pennsylvania Public Utility Commission	Phone
Susan Munson	ERCOT	Phone
Annie McIntyre	Ardua Strategies	In Person
Rae McQuade	NAESB	In Person
Larry Monday	LG&E	In Person
Joelle Ogg	DC Energy	In Person
Emil Pena	Energy and Environmental Systems Institute	In Person
Alan Pritchard	Duke Energy	Phone
Denise Rager	NAESB	In Person
Lisa Simpkins	Constellation Energy Resources	Phone
Marisol Santillan	APS	In Person
Ed Skiba	Midwest ISO	In Person
Rick Smead	Navigant Consulting	In Person
Mark Smith	NRG Energy	In Person
Veronica Thomason	NAESB	In Person
Jill Vaughn	Preferred Legal Services	In Person
Darla Wishart	NAESB	In Person
Charles Yeung	SPP	In Person



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via posting

**TO:** NAESB Board Critical Infrastructure Committee Members and posting for Interested Industry Parties  
**FROM:** Jonathan Booe, Deputy Director, NAESB  
**RE:** Meeting Notes for the NAESB Board Critical Infrastructure Committee  
**DATE:** August 2, 2011

Dear Critical Infrastructure Committee Members,

A Critical Infrastructure Committee conference call was held on July 28, 2011. The meeting was called to order at 1:00 pm C. Mr. Hurley presided over the meeting and Mr. Booe served as counsel for the meeting. The notes below serve as a record for the meeting.

### Notes from the July 28, 2011 NAESB Board Critical Infrastructure Committee Meeting

- Administrative:** Mr. Hurley welcomed the participants to conference call and thanked them for attending. Mr. Booe provided the antitrust guidance and called the roll. Mr. Hurley reviewed the draft agenda and Mr. Gracey made a motion to adopt the agenda as drafted. Mr. Kirby seconded the motion and the motion passed without opposition.
- Review Recent Legislative Action** Mr. Hurley provided an update of the recent cyber security related legislative activities. He stated that current draft of the bill, which is being circulated around the House floor, has had input from the Commerce Committee, the House Committee on Homeland Security and Senator Reid's internal staff but has not had much scrutiny from other areas of the legislature. He stated that the bill is expected to become higher priority, given the recent Lulzsec and Anonymous activities. He also noted that the bill is going to dovetail with the GRID Act, which give the Department of Homeland Security (DHS) authority to conduct audits of operations of all critical assets. Ms. Barry asked what the bills current status is. Mr. Hurley stated that the bill is still working through the committees he noted earlier.
- GRID Act Status** Mr. Hurley provided an update of the current status of the GRID Act. Mr. Hurley stated that the Act gives FERC 120 days to review the NERC CIP standards and make a determination on their adequacy. If they are deemed inadequate NERC will be given 180 days to modify the standards, after which, FERC is given authority to issue an emergency rulemaking regarding the standards. He also noted that the Act gives FERC to conduct and EMP study. Mr. Gent stated that he understands the Act gives the FERC power over distributions centers that are deemed critical to the bulk power system despite their current regulatory agency structure. Mr. Gee noted that Act could preempt many of the current jurisdictional constraints. The participants discussed how certain facilities are related to reliability and national security and how difficult it will be to parse out the facilities deemed critical. Mr. Hurley stated that the Act is adopted the definition of Critical Infrastructure used in the Patriot Act, which basically includes any entity attached to the grid.
- Discussion of Stuxnet Article** Mr. Hurley reviewed the Stuxnet article and noted that the related malware as become more accessible and more effective at infecting systems, including those that do not have an outward facing public network. Ms. McQuade asked how standards development in the area could cascade to NAESB. Mr. Hurley responded that there are vulnerabilities in corporate or business systems that can affect or be integrated into operations systems and affect reliability. Mr. Cleary asked if Stuxnet has evolved beyond the Siemens and step seven applications. Mr. Hurley responded affirmatively and stated that anything that is schema based may be vulnerable. Ms. McQuade asked if any of the recent cyber security breaches have affected the natural gas SCADA systems. Mr. Gee and Ms. Barry responded that they are not aware of any such attacks.
- Mr. Hurley stated there is very little authentication included in the NAESB standards other than the OASIS standards and that is important to ensure that companies are building security into their systems. He recommended that NAESB be proactive in conducting security reviews of the standards rather than leaving the task to other departments such as the DHS. Ms. Barry asked if the Committee should recommend the development of a multi-quadrant subcommittee to conduct such a review. Mr. Hurley stated that it would be a good recommendation to the Board of Directors. Mr. Kirby asked why NAESB should review our standards and make modifications or develop new standards if parallel efforts may be underway by NERC, DHS or the DoE. Mr. Hurley stated that under the FTAA that governmental agencies are required to use voluntary industry



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### Notes from the July 28, 2011 NAESB Board Critical Infrastructure Committee Meeting

standards when possible. Mr. Kirby suggested that NAESB focus on supporting NERC and developing complementary standards. Ms. McQuade supported Mr. Kirby's recommendation. The participants discussed the importance of maintaining liaisons with NERC and the DHS and keeping all four quadrants involved in any critical infrastructure activity.

**Other Business** Mr. Hurley and Ms. McQuade noted that NAESB will host a webinar series dedicated to critical infrastructure issues as a benefit to our members. The educational seminars will be led by Mr. Hurley and will provide insight into the nature of the emerging threats and the state of the art solutions that can be implemented to address the challenges facing the industry. Ms. McQuade thanked Mr. Hurley as he has agreed to give the webinars free of charge and noted that at least three weeks notice will be given to encourage participation.

**Adjourn:** Mr. Kirby moved to adjourn the meeting at 2:27 pm Central and Mr. Gee seconded the motion. The motion passed without opposition.

**Work Papers  
Provided for  
the Meeting:**

**Meeting Related Documents:**

- April 15, 2011 meeting notes: [http://www.naesb.org/pdf4/bd\\_cic\\_041511notes.doc](http://www.naesb.org/pdf4/bd_cic_041511notes.doc)
- GRID Act: <http://www.utcsight.org/content/senate-committee-approves-grid-cyber-security-act-unanimously>
- How Digital Detectives Deciphered Stuxnet: <http://www.wired.com/threatlevel/2011/07/how-digital-detectives-deciphered-stuxnet/all/1>



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### Notes from the July 28, 2011 NAESB Board Critical Infrastructure Committee Meeting

#### CRITICAL INFRASTRUCTURE COMMITTEE MEMBERS

<b>Name</b>	<b>Organization</b>	<b>Attendance</b>
William Gallagher	Vermont Public Power Supply Authority	
Brett Perlman	Vector Consultants	
J. Cade Burks	ista	
Chuck Feagans	Tennessee Valley Authority	Phone
Chris Kotting	Public Utilities Commission of Ohio	
Christopher Freitas	US Department of Energy	
Dave Darnell	Systrends USA	
Diane Barney	New York State Department of Public Service Staff	
Bruce Ellsworth	New York State Reliability Council	
Jesse D. Hurley	Shift Research, LLC	Phone
Jim Buccigross	8760, Inc.	Phone
Leigh Spangler	Leigh Spangler	Phone
Michael Desselle	Southwest Power Pool	
Michehl Gent	Open Access Technology International, Inc	Phone
Joelle Ogg	Brunenkant & Cross, LP	Phone
Ralph Cleveland	AGL Resources, Inc.	
Rick Smead	Navigant Consulting, Inc.	
Bob Gee	Gee Strategies Group	Phone
Susanna B. Barry	Tennessee Gas Pipeline Company	Phone
Thomas Pearce	Public Utilities Commission of Ohio	
Valerie Crockett	Tennessee Valley Authority	Phone
Kevin Kirby	ISO New England	Phone
Bill Boswell	NAESB General Counsel	



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### Notes for the July 28, 2011 NAESB Board Critical Infrastructure Meeting

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#### OTHER ATTENDEES

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<b>Attendee</b>	<b>Organization</b>
Jonathan Booe	NAESB
Kathryn Burch	Spectra Energy
Christopher Burden	Williams Gas Pipeline
John Ciza	Southern Company
Jianmei Chai	Consumers Energy Company
Ed Davis	Entergy
Anne Delanola	ERCOT
Richard Ishikawa	Southern California Edison
Kirk Kubousek	OATI
Annunciata Marino	Pennsylvania Public Utility Commission
Kevin Money	Iroquois
Candy Morakinyo	We Energies
Joe Morgan	National Fuel Gas
Ed Skiba	Midwest ISO
Patrick Tronnier	OATI
Craig Williams	WECC



## OATI webRegistry

### Introduction

The North American Energy Standards Board (NAESB) has selected Open Access Technology International, Inc. (OATI) to provide the next generation North American Electric Reliability Corporation (NERC) Transmission Site Information Network (TSIN) registry, to be called OATI webRegistry.

### What is webRegistry

OATI webRegistry will provide power industry participants with tools to perform entity registration, data access, and reporting. The webRegistry service will replace for the existing TSIN registry and provide additional registration capabilities for other NERC functional entities. In addition to the existing TSIN functionality, webRegistry will support new validation rules, model service point relationships, and feature complex entity ownership structures. The webRegistry technology leverages OATI's experience delivering mission critical software applications and access to information while complying with the energy industry standards for cyber security, reliability, availability, and reporting.

### webRegistry Attributes and Benefits

As a replacement of the TSIN Registry, webRegistry service will operate as an industry-wide information access tool and will offer significantly improved performance, usability, and flexibility over the previous registry. webRegistry users will find:

- Improved information access and retrieval through comprehensive and tailored registry queries
- Enhanced accuracy of current and historical data in the registry through data cleansing and support for quality control processes
- Superior uptime and reliability with 24x7x365 support via the OATI Help Desk

### Feature Overview

Offering improved accuracy and reporting tools, webRegistry service will provide industry participants flexible access to registry data while meeting the industry's need for a secure and reliable registry. webRegistry service is built on the latest OATI technology and hosted at the OATI Data Center.

OATI webRegistry service includes:

- Web-based interface for entering data, administration, and reporting
- Support for complex entity ownership structures: parent company, subsidiary, affiliate, and other variations
- Company configurable access controls and user role management
- Notification management
- Pre-publication review and approval of data submissions prior to posting
- Flexible data export controls
- Configurable search criteria to tailor data for downloading
- Audit trails
- Support for common certificate authorities used across the energy industry
- Extensible for interfacing with other data and industry reporting resources

### Transition Plan

To minimize the impact on existing TSIN users, webRegistry service will be initially offered in parallel with the TSIN Registry allowing users to schedule their transition (early or later) in line with their own internal priorities. OATI estimates impact on existing TSIN users to be minimal requiring little more than the initial registration with any online service (e.g., email accounts, online purchases, etc.). To assist users, OATI will provide online training materials and support

NAESB plans to begin webRegistry testing and training in late Fall 2011, with begin the transition from the TSIN registry to webRegistry in the late 2011. Participation in webRegistry will be required by North America Electric Reliability Corporation (NERC) for all electric entities with intentions of performing scheduling in North America. Continue to monitor the NAESB website for updates and additional information about transitioning to webRegistry. For more information please visit [www.naesb.org](http://www.naesb.org).



**U.S. COMMODITY FUTURES TRADING COMMISSION**  
ENSURING THE INTEGRITY OF THE FUTURES & OPTIONS MARKETS

RELEASE: PR6080-11

July 25, 2011

**CFTC Announces First Public Meeting of the Technology Advisory Subcommittee on Data Standardization**

**Subcommittee will Look Into Public/Private Solutions for Creating Well-Accepted Standards for Describing, Communicating, and Storing Data on Complex Financial Products**



**Washington, DC** – The Commodity Futures Trading Commission (CFTC) today announced that on August 5, 2011, the Subcommittee on Data Standardization, a new Subcommittee of the CFTC's Technology Advisory Committee, will hold a public meeting.

This will be the first of at least three subcommittee public meetings to occur this year, with the other two public meetings tentatively scheduled for September 30, 2011, and October 4, 2011.

The Subcommittee meeting will begin at 1pm in the Conference Center at the CFTC Headquarters, Three Lafayette Centre, 1155 21st Street, NW, Washington, DC. The discussion will be open to the public with seating on a first-come, first-served basis.

Members of the public also may listen by telephone and should be prepared to provide their first name, last name and affiliation.

A transcript of the public roundtable discussion will be published on the **CFTC's** website.

All submissions provided to the CFTC in any form may be published on the website of the CFTC, without review and without removal of personal identifying information.

<b>What:</b>	Technology Advisory Subcommittee on Data Standardization
<b>Where:</b>	CFTC Headquarters, Lobby level Hearing Room 1155 21 <sup>st</sup> Street, NW, Washington, DC
<b>When:</b>	Friday, August 5, 2011
<b>Time:</b>	1:00 p.m. (EDT)
Listening Information:	
	Call in to a toll-free telephone line to connect to a live audio feed.

Domestic Toll-Free: 866-844-9416  
International Toll: See Related Document  
Conference ID: 2231228

Last Updated: July 25, 2011



**U.S. Commodity Futures Trading Commission**  
Three Lafayette Centre, 1155 21st Street, NW, Washington, DC 20581  
[www.cftc.gov](http://www.cftc.gov)

Scott D. O'Malia  
Commissioner

(202) 418-5870  
(202) 418-5550 Facsimile  
[somalia@cftc.gov](mailto:somalia@cftc.gov)

## **Agenda for August 5, 2011**

### **Meeting of the Data Standardization Subcommittee of the CFTC's Technology Advisory Committee**

- 1:00 Introduction and Opening Statements by Commissioner O'Malia, the chairman of the Technology Advisory Committee (TAC), and Andrei Kirilenko, the chairman of the Subcommittee on Data Standardization of the TAC
- 1:15 Subcommittee Member Introductions
- 1:45 Federal Advisory Committee Act (FACA) Overview from Nancy Doyle, Office of General Counsel
- 2:00 Brief guidance on the anticipated structure of work processes within Working Groups of the Subcommittee by Andrei Kirilenko
- 2:15 Working Groups Breakout Session I (Content: discussion on refinement of main issues, specific projects, sequencing)
- 3:00 Break
- 3:15 Working Groups Breakout Session II (continued discussion of agenda, logistics, deliverables)
- 4:00 Break
- 4:15 Discussion in Subcommittee of Working Groups' early thoughts on main issues and goals
- 5:00 Closing Remarks by Commissioner O'Malia and Andrei Kirilenko

136 FERC ¶ 61,051  
UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

18 CFR Part 35

[Docket No. RM10-23-000; Order No. 1000]

Transmission Planning and Cost Allocation by Transmission  
Owning and Operating Public Utilities

(Issued July 21, 2011)

AGENCY: Federal Energy Regulatory Commission.

ACTION: Final Rule

SUMMARY: The Federal Energy Regulatory Commission is amending the transmission planning and cost allocation requirements established in Order No. 890 to ensure that Commission-jurisdictional services are provided at just and reasonable rates and on a basis that is just and reasonable and not unduly discriminatory or preferential. With respect to transmission planning, this Final Rule: (1) requires that each public utility transmission provider participate in a regional transmission planning process that produces a regional transmission plan; (2) requires that each public utility transmission provider amend its OATT to describe procedures that provide for the consideration of transmission needs driven by public policy requirements in the local and regional transmission planning processes; (3) removes from Commission-approved tariffs and agreements a federal right of first refusal for certain new transmission facilities; and (4) improves coordination between neighboring transmission planning regions for new

interregional transmission facilities. Also, this Final Rule requires that each public utility transmission provider must participate in a regional transmission planning process that has: (1) a regional cost allocation method for the cost of new transmission facilities selected in a regional transmission plan for purposes of cost allocation; and (2) an interregional cost allocation method for the cost of certain new transmission facilities that are located in two or more neighboring transmission planning regions and are jointly evaluated by the regions in the interregional transmission coordination procedures required by this Final Rule. Each cost allocation method must satisfy six cost allocation principles.

FOR FURTHER INFORMATION CONTACT:

Kevin Kelly  
Federal Energy Regulatory Commission  
Office of Energy Policy and Innovation  
888 First Street, NE  
Washington, DC 20426  
(202) 502-8850

Maria Farinella  
Federal Energy Regulatory Commission  
Office of the General Counsel  
888 First Street, NE  
Washington, DC 20426  
(202) 502-6000

SUPPLEMENTARY INFORMATION:



**NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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July 7, 2011

Filed Electronically

Ms. Kimberly Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20585

RE: Submittal of Smart Grid Related Standards (Docket No. RM05-5-000, et al)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") submits this report to the Federal Energy Regulatory Commission ("FERC" or "Commission") regarding the NAESB smart grid standards developed at the request of the National Institute of Standards and Technology ("NIST") and the Smart Grid Interoperability Panel ("SGIP") in response to priority action plans 03, 04, 09 and 10. This report is voluntarily submitted by NAESB in Docket No. RM05-5-000. The NAESB smart grid standards related to Priority Action Plan 10 were ratified by NAESB membership on November 29, 2010 and the NAESB smart grid standards related to Priority Action Plans 03, 04 and 09 were ratified by NAESB membership on March 21, 2011. All NAESB smart grid standards are available as final actions. We very much appreciate the time, knowledge and industry leadership provided by all participants, both members and non-members, and look forward to the further development of smart grid related business practice standards, if directed to do so by the Commission, NIST, the SGIP or the industry.

The report is being filed electronically in Adobe Acrobat® Portable Document Format (.pdf). All of the documents are also available on the NAESB web site ([www.naesb.org](http://www.naesb.org)). Please feel free to call me at (713) 356-0060 or refer to the NAESB website ([www.naesb.org](http://www.naesb.org)) should you have any questions or need additional information regarding the NAESB smart grid standards or any other NAESB work products.

Respectfully submitted,

*Rae McQuade*

Ms. Rae McQuade  
President & COO, North American Energy Standards Board



## NORTH AMERICAN ENERGY STANDARDS BOARD

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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July 7, 2011

cc with enclosures:

Chairman Jon Wellinghoff, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner John R. Norris, Federal Energy Regulatory Commission  
Commissioner Marc Spitzer, Federal Energy Regulatory Commission  
Commissioner Cheryl LaFleur, Federal Energy Regulatory Commission

Mr. Michael Bardee, General Counsel of the Commission, Federal Energy Regulatory Commission

Mr. Joseph McClelland, Director, Office of Electric Reliability, Federal Energy Regulatory Commission

Ms. Jamie L. Simler, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. Michael Goldenberg, Senior Attorney, Office of General Counsel, Federal Energy Regulatory Commission

Mr. Mason Emmett, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. William E. Murrell, Deputy Director, Division of Economic and Technical Analysis, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. George Arnold, National Coordinator for Smart Grid Interoperability, National Institute of Standards and Technology.

Mr. Dave Wollman, Leader, Electrical Metrology Groups, National Institute of Standards and Technology.

Ms. Valerie Crockett, Chairman and CEO, North American Energy Standards Board

Mr. William P. Boswell, General Counsel, North American Energy Standards Board

Ms. Rae McQuade, President & COO, North American Energy Standards Board

Mr. Michael D. Desselle, Vice Chairman – WEQ, North American Energy Standards Board

Mr. J. Cade Burks, Vice Chairman – REQ, North American Energy Standards Board

Enclosures (all documents noted in the appendices are available publicly on the NAESB web site – [www.naesb.org](http://www.naesb.org)):

Appendix A Smart Grid Distribution Lists

Appendix B WEQ/REQ Smart Grid Standards Development Subcommittee and Smart Grid Standards Subcommittee on Priority Action Plan 10 Standards Task Force Meeting Minutes Links

Appendix C Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts

Appendix D Ratification Ballots and Results Links

Appendix E 2009 Wholesale Electric Quadrant Annual Plan

Appendix F 2010 Wholesale Electric Quadrant Annual Plan

Appendix G NAESB Process for Standards Development

**UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION**

**Standards for Business Practice and )  
Communication Protocols for Public Utilities )**

**Docket No. RM05-5-000**

**REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD**

The North American Energy Standards Board ("NAESB") is voluntarily submitting this report in accordance with the Commission's Orders in the above referenced docket.

**I. NAESB Involvement in the Smart Grid**

In the spring of 2009, at the request of the NAESB Advisory Council, NAESB leadership met with Dr. George Arnold, the National Coordinator for Smart Grid Interoperability for the National Institute of Standards and Technology ("NIST"), and offered to support NIST in its fulfillment of obligations under the Energy Independence and Security Act of 2007 ("EISA")<sup>1</sup>. At the recommendation of NIST leadership, NAESB participated in the NIST hosted summer workshops of 2009 and received assignments related to priority action plan 03 (Common Price Communication Model)<sup>2</sup>, priority action plan 04 (Common Scheduling Mechanism)<sup>3</sup> and priority action plan 09 (Standardized Demand Response and Distributed Energy Resource Signals)<sup>4</sup>. Specifically, NAESB was asked to develop communication use cases and data requirement standards related to each priority action plan as well as ancillary tasks to leverage existing work products and encourage collaboration with other organizations. In response to these assignments and at the direction of the NAESB Board of Directors, the NAESB Wholesale Electric Quadrant ("WEQ") and Retail Electric Quadrant ("REQ") Executive Committees formed the joint WEQ and REQ Smart Grid Standards Development Subcommittees to address the assignments and solicited co-chairs for the joint subcommittee. Representatives from ISO New England, NRG Energy, Consumers Energy and Xtensible Solutions volunteered to serve as co-chairs and lead the NAESB effort.

The NAESB Board of Directors recommended that the standards development effort be addressed jointly between the REQ and WEQ, recognizing the multi-market impacts that may be realized as standards to support smart grid applications are developed. The NAESB Board of Directors, through a board resolution<sup>5</sup>, requested that the NAESB smart grid standards developed by the REQ and WEQ Executive Committees strive to be consistent across markets in all areas excepting where there are substantive jurisdictional differences. As such, the NAESB

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<sup>1</sup> EISA § 1305(d), Public Law No. 110-140, 121 Stats. 1492, 1788 (2007) (to be codified at 15 U.S.C. § 1735(d))

<sup>2</sup> NIST Smart Grid Collaboration Wiki Smart Grid Interoperability Panel Site for Priority Action Plan 03 is available at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP03PriceProduct>.

<sup>3</sup> NIST Smart Grid Collaboration Wiki Smart Grid Interoperability Panel Site for Priority Action Plan 04 is available at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP04Schedules>

<sup>4</sup> NIST Smart Grid Collaboration Wiki Smart Grid Interoperability Panel Site for Priority Action Plan 09 is available at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP09DRDER>.

<sup>5</sup> The June 24, 2010 NAESB Board Meeting Final Minutes are available at <http://www.naesb.org/pdf4/bd062410fm.doc>

smart grid standards related to priority action plans 03, 04, 09 and 10 (Standard Energy Usage Information)<sup>6</sup> have been developed by volunteers in both the retail and wholesale electric markets but have resulted in standards that are specific to each market respectively.

Working through the NIST priority action plan process NAESB was asked to coordinate with external standards setting organizations such as the Organization for the Advancement of Structured Information Standards (“OASIS”)<sup>7</sup>, the ZigBee Alliance<sup>8</sup>, the UCA International Users Group<sup>9</sup>, FIX Protocol<sup>10</sup>, CalConnect<sup>11</sup> and Lawrence Berkley National Laboratory<sup>12</sup>, among others. Specific to priority action plans 03, 04 and 09, NAESB was asked by NIST to make the NAESB use case and data requirement standards available to the OASIS Technical Committees responsible for developing the specifications based upon the NAESB data requirements in fulfillment of their obligations under the priority action plans. As the NAESB effort and the effort of the OASIS Technical Committees to develop specifications based upon the NAESB data requirements were underway simultaneously, the two organizations took a waterfall approach to the standards development by encouraging overlap between the participants of the NAESB subcommittee and OASIS Technical Committees, while completing the work in phases. The NAESB subcommittee completed its obligations related to priority action plans 03, 04 and 09 through a two phase approach. NAESB developed an initial set of use cases and data requirements within the timeline originally specified in the priority action plans and made those recommendations available to the OASIS Technical Committees in an effort to initiate their work on the related specifications as quickly as possible. The NAESB Smart Grid Standards Development Subcommittee completed the phase two recommendations and satisfied its obligations under the priority action plans 03, 04 and 09 in November 2010.

In January 2010, as the NAESB Smart Grid Standards Development Subcommittee addressed phase one of priority action plans 03, 04 and 09, the Smart Grid Interoperability Panel (“SGIP”)<sup>13</sup> asked NAESB to conduct an industry survey to determine the current energy usage communications between energy suppliers, consumers and third party service providers as part of priority action plan 10 (Standard Energy Usage Information). In May 2010, the assignments related to PAPI0 were restructured by the SGIP in response to the urging of the Administration to produce a single standard information model for energy usage. NAESB was designated as the standards development organization to develop the standard and asked to complete it by year end 2010. The SGIP requested that NAESB leverage the work products of external standards setting organizations and strive to create an information model that is compatible with, or may be mapped to, the Open ADE 1.0 Specification, Smart Energy Profile 2.0, the EIS Alliance Requirements documents and the IEC TC57 Common Information Model. In response to this request, NAESB created the joint REQ and WEQ Smart Grid Standards Subcommittee and hosted its first conference call on June 22, 2010. In an effort to ensure that the standard developed by the subcommittee was

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<sup>6</sup> NIST Smart Grid Collaboration Wiki Smart Grid Interoperability Panel Site for Priority Action Plan 10 is available at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAPI0EnergyUsagetoEMS>

<sup>7</sup> The Organization for the Advancement of Structured Information Systems website is available at <http://www.oasis-open.org>

<sup>8</sup> The ZigBee Alliance website is available at <http://www.zigbee.org>

<sup>9</sup> The UCA International Users Group website is available at <http://www.ucaiug.org/default.aspx>

<sup>10</sup> The FIX Protocol website is available at <http://www.fixprotocol.org>

<sup>11</sup> The CalConnect website is available at <http://www.calconnect.org>

<sup>12</sup> The Lawrence Berkley National Laboratory website is available at <http://www.lbl.gov>

<sup>13</sup> The SGIP was formed in November of 2009 to act as a consensus body of industry participants and support NIST in the fulfillment of its obligations under EISA 2007

properly coordinated with the identified standards setting organizations, the NAESB REQ and WEQ Executive Committees provided leadership positions within the subcommittee for representatives from the various stakeholder organizations. The resulting NAESB Energy Usage Information Model was ratified by the NAESB membership on November 29, 2010 and is currently being considered for inclusion in the SGIP catalog of standards. The standards resulting from these NAESB efforts will be included in the future publication of the WEQ Version 2.2 NAESB Standards and have been included in the REQ Version 1.3 NAESB Standards.

## II. Smart Grid Standards Development Subcommittee

### a. Priority Action Plan 03 – Common Price Communication Model

As requested by NIST through priority action plan 03, the Smart Grid Standards Development Subcommittee held their first meeting jointly with FIX Protocol in September 2009. During this meeting, and subsequent meetings through October, the NAESB subcommittee and leadership from FIX Protocol developed a scope of work and seminal work papers from which a product definition for electrical energy and a price communication format could be developed. The seminal work papers, developed collaboratively, served as the base documentation for the development of the phase one requirements specification for a common electricity product and price definition recommendation developed by the Smart Grid Standards Development Subcommittee to support priority action plan 03. This work was completed through a phased approach in effort to comply with the NIST imposed deadlines and to provide an initial work product from which the OASIS technical committee responsible for the development of a specification based upon the NAESB data requirements could begin their work. The parallel work process in the NAESB subcommittee and the OASIS technical committee was only possible through the close coordination of the two standards organizations and a crossover participation in both the subcommittee and technical committee. Through the phase one of the effort, the subcommittee developed a set of use cases to describe price communication scenarios related to shifts in demand and environmental and economic changes. These use cases were then used to develop the price attributes and product identification information or data requirements necessary to communicate price. As a second phase, the subcommittee refined both the use cases and the data requirements in an effort to create a more complete robust standard.

Between September 1, 2009 and February 18, 2010, when the phase one recommendation was unanimously approved by the Smart Grid Standards Development Subcommittee and posted for a thirty-day formal comment period, the subcommittee held sixteen conference calls, two meetings and two informal comment periods. The recommendations were reviewed by the REQ and WEQ Executive Committees on June 7, 2010 in a single topic review session and then considered for vote on June 16, 2010, during which the REQ recommendation was approved and later ratified by the REQ membership on July 30, 2010. The WEQ recommendation was distributed for a notational ballot period which closed on June 25, 2010, but, as not enough votes were received to make a determination on the recommendation, a subsequent meeting was scheduled for July 7, 2010 to reconsider the recommendation and the modifications made during the June 16, 2010 single topic conference call. On July 7, 2010, the WEQ Executive Committee reconsidered the recommendation in light of the June 24, 2010 Board Resolution<sup>14</sup> and once again voted on the recommendation. The recommendation passed the required super-majority

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<sup>14</sup> See *supra* note 5

voting threshold through a notational ballot on July 16, 2010 and was ratified by the membership on August 20, 2010.

On March 4, 2010, immediately after the phase one recommendation was voted out of subcommittee, the Smart Grid Standards Development Subcommittee began meeting to discuss the direction of the phase two effort and the process by which the phase one use cases and data requirements should be refined. The subcommittee held seventeen conference calls and one meeting before approving the recommendation and posting it for the formal comment period on October 14, 2010. The phase two REQ recommendation was reviewed and approved by the REQ Executive Committee on February 2, 2011 and ratified by the membership on March 21, 2011. The WEQ recommendation was considered by the by the WEQ Executive Committee on February 1, 2011 and approved through notational ballot on February 18, 2011. The WEQ final action was also ratified by the membership on March 21, 2011. Through the phase two process, the REQ and WEQ phase two recommendations have been made nearly identical as there are no substantive jurisdictional implications in the implementation of the data requirement standards.

On December 10, 2010, the NAESB Smart Grid Standards Development Subcommittee met with the OASIS Technical Committee responsible for developing the price communication specification based upon the data requirements included in the NAESB standards. During this meeting, leadership from the OASIS Technical Committee reviewed the eMIX specification<sup>15</sup> and identified how the NAESB data requirement standards to support priority action plan 03 were incorporated into their work products. The eMIX specification is still under development but will be made available to the SGIP upon completion in satisfaction of the obligations required by priority action plan 03.

b. Priority Action Plan 04 – Common Scheduling Mechanism

The Smart Grid Standards Development Subcommittee initiated efforts to address the NAESB responsibilities related to priority action plan 04 on October 22, 2009. Through discussion, the subcommittee determined that the date and time based data requirements should be limited in scope to those used in demand response programs. This direction was communicated to NIST representatives and deemed appropriate and in compliance with the priority action plan 04 tasks assigned to NAESB. A draft recommendation describing date and time-based data elements and usage examples of those data elements was reviewed by the subcommittee on October 29, 2009 and distributed for an informal comment period the following week. The subcommittee held ten conference calls and an additional informal comment period and on January 28, 2010 the subcommittee unanimously approved the phase one requirements specification for a common scheduling mechanism recommendation developed to support priority action plan 04. The draft recommendations were immediately made available to the OASIS WS Calendar Technical Committee<sup>16</sup> responsible for incorporating the data element requirements developed by the NAESB subcommittee and including them in their scheduling specification.

The phase one recommendations were reviewed by the REQ and WEQ Executive Committees on June 7, 2010 in a single topic review session and then considered for vote on June 16, 2010. During the June 16, 2010 meeting, the REQ recommendation was approved and subsequently ratified by the membership on July 30, 2010,

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<sup>15</sup> The OASIS eMIX Technical Committee website is available at <http://www.oasis-open.org/committees/emix>

<sup>16</sup> The OASIS WS Calendar Technical Committee website is available at <http://www.oasis-open.org/committees/ws-calendar>

but due to a lack of determinative votes a notational ballot was distributed to adopt the WEQ recommendation. The WEQ recommendation was adopted by the Executive Committee on June 25, 2010, but was subsequently rescinded and reviewed by the Executive Committee in light of the June 24, 2010 board resolution<sup>17</sup>. The revised WEQ phase one recommendation was approved via notational ballot on July 16, 2010 and ratified by the membership on August 20, 2010.

As part of the phase two effort, very few modifications were made to the phase one requirements specification for a common scheduling mechanism recommendation. No modifications were made to the date and time-based data elements and usage examples of those data elements included in the original recommendation and only a few modifications to the clarifying language included in the recommendation were offered. The subcommittee held three conference calls to refine the language included in the phase two recommendations and voted the recommendations out of subcommittee on October 14, 2010. The REQ Executive Committee reviewed and approved the REQ recommendation on February 2, 2011, and the recommendation was ratified by the membership on March 21, 2011. The WEQ recommendation was considered by the WEQ Executive Committee on February 1, 2011 and approved through notational ballot on February 18, 2011. The WEQ final action was ratified by the membership on March 21, 2011. As with the requirements specification for a common electricity product and price definition standard to support priority action plan 03, the REQ and WEQ phase two recommendations to support priority action plan 04 have been made nearly identical as there are no substantive jurisdictional implications in the implementation of the standards.

c. Priority Action Plan 09 – Standardized Demand Response and Distributed Energy Resources Signals

As with priority action plan 03 and priority action plan 04, NAESB was given the task of developing use cases and data requirement standards to support priority action plan 09. The Smart Grid Standards Development Subcommittee held their first meeting to address the priority action plan 09 obligations on September 2, 2009 to discuss the current external efforts that have been initiated related to demand response and distributed energy resources signaling. Within a month of the first meeting, and through the collaboration of shared participants in the NAESB subcommittee, Open Automated Demand Response (Open ADR) participants and members of the UCAiug, the subcommittee developed a document that described the contextual framework for demand response and was used to guide and prioritize the use case and data requirements analysis<sup>18</sup>. The document served as a basis for the REQ phase one draft recommendation.

During this time, the subcommittee became aware that a parallel effort to develop standardized demand response signals within the wholesale markets was underway within the Independent System Operator / Regional Transmission Organizations Council (IRC). In effort to eliminate duplicative work products and to leverage the subcommittee's and IRC's work to date, the subcommittee held a three-day face-to-face meeting where the two groups reviewed each others work and discussed the process by which the IRC project could be incorporated into the NAESB effort. At this meeting, the subcommittee determined that, given the structural and operational differences between the retail and wholesale markets, the subcommittee should develop coordinated yet separate recommendations for the two markets. This approach was facilitated by the joint development of a shared entity

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<sup>17</sup> See *supra* note 5

relationship model, which has been included in all of the final actions to support priority action plan 03, 04 and 09 as an appendix, and through a common set of use case actors and definitions for both the retail and wholesale standards. A phased approach was used to develop the recommendations as described for priority action plan 03 and 04.

To develop the wholesale phase one recommendations the subcommittee held a total of twenty conference calls, two meetings and two informal comment periods between September 2009 and February 5, 2010 when the wholesale recommendation was unanimously voted out of the subcommittee and posted for the thirty-day formal comment period. As with the recommendations to support priority action plans 03 and 04, the phase one wholesale and retail recommendations were reviewed by the REQ and WEQ Executive Committees on June 7, 2010 in a single topic review session and considered for vote on June 16, 2010. The retail recommendation was adopted by the REQ Executive Committee during that meeting, and the wholesale recommendation was subsequently adopted via notational ballot on July 16, 2010, after reconsideration in light of the June 24, 2010 Board resolution<sup>19</sup>.

Upon adoption of the phase one recommendation by the subcommittee, the recommendation was made available to the members of the OASIS Energy Interoperation Technical Committee so that they could begin their work to address their responsibilities related to priority action plan 09. As with priority action plan 03, the subcommittee immediately began phase two of the effort to both expand the data requirements that had been developed during phase one and to more closely align the wholesale and retail recommendations. As part of the phase two effort, the subcommittee held 13 conference calls and one two-day meeting to develop the recommendation, which was unanimously approved on October 14, 2010. The REQ Executive Committee reviewed and approved the REQ recommendation on February 2, 2011, and the recommendation was ratified by the membership on March 21, 2011. The WEQ recommendation was considered by the WEQ Executive Committee on February 1, 2011 and approved through notational ballot on February 18, 2011. The WEQ final action was ratified by the membership on March 21, 2011. The wholesale final action describes, through the use of diagrams, the requirements for standardizing the information exchanged during interactions between the System Operator and various Market Participants for the administration and deployment of demand response resources. The final action contains common terminology from the NAESB Measurement and Verification Standards for Demand Response and has been coordinated with the retail final action.

d. Master Data Element List

During the development of the phase two recommendations to support priority action plans 03, 04 and 09, the subcommittee determined that it would be beneficial to create a matrix containing the data elements identified in the priority action plans 03 and 09 recommendations. The purpose of the matrix is to identify specific applications of the data elements to the use cases developed in the recommendations to support priority action plan 03 and 09. To develop the matrix, the subcommittee held 19 conference calls and one meeting between March and October 2010. The matrix was reviewed by the WEQ and REQ Executive Committees in conjunction with the phase two recommendations to support priority action plans 03, 04 and 09 on February 1, 2011 and February 2, 2011, respectively. The REQ recommendation was adopted by the REQ Executive Committee on February 2, and ratified

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<sup>18</sup> The Archived Framework for Integrated DR and DER Models is available at [http://www.naesb.org/pdf4/smart\\_grid\\_ssd022510a1.doc](http://www.naesb.org/pdf4/smart_grid_ssd022510a1.doc)

<sup>19</sup> See *supra* note 5

by on March 21, 2011. The WEQ recommendation was adopted the WEQ Executive Committee through notational ballot on February 18, 2011 and ratified on March 21, 2011. The REQ and WEQ final actions are identical and included all retail and wholesale data elements.

III. Priority Action Plan 10 – NAESB Energy Usage Information Model (timeline, freely available)

In January 2010, NAESB was asked by the SGIP to develop a survey regarding the current practice of usage communications between energy suppliers and consumers, including providers of intermediary services to initiate the process of developing a standard to support priority action plan 10. The Smart Grid Standards Development Subcommittee responded to the request and developed a survey that was distributed to the NAESB membership, among other recipients, on April 12, 2010 and returned on April 30, 2010. The subcommittee processed the results of the survey and made them available to the SGIP on July 30, 2010<sup>20</sup>.

In May 2010, while the Smart Grid Standards Subcommittee was working on the survey, the SGIP renewed focus on the development of a single standard information model for energy usage to support priority action plan 10, and, as a result, the tasks assigned to the various standards setting organizations involved in priority action plan 10 were restructured. Through meetings held in conjunction with the spring 2010 SGIP meeting, NAESB was approached and asked to serve as the standards development organization to develop the information model and was asked to have the standard adopted through the NAESB standards development process by the end of the year. In response, the joint REQ and WEQ Smart Grid Standards Subcommittee on Priority Action Plan 10 was created and held its first meeting on June 22, 2010. The subcommittee was co-chaired by eight representatives from the UCA International Users Group, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), ZigBee Alliance, National Association of Regulatory Utility Commissioners, EIS Alliance, OASIS, and the NAESB Wholesale and Retail Electric Quadrants. As requested by the SGIP, the subcommittee leveraged the work of an SGIP-developed white paper that proposed a straw model based upon the requirements of several existing work products, including specifications related to Open ADE 1.0, Smart Energy Profile 2.0 and the EIS Alliance Requirements document.

Between June 22, 2010 and August 31, 2010, when both the REQ and WEQ Energy Usage Information Model were unanimously adopted, the subcommittee held a total of fifteen conference calls and a one week informal comment period. The recommendations were reviewed by the WEQ and REQ Executive Committees on October 15, 2010 and considered for vote on October 22, 2010. The REQ recommendation was adopted by the Executive Committee during the October 22, 2010 meeting, and the WEQ recommendation was adopted through notational ballot on October 29, 2010. Both recommendations were ratified by the membership on November 29, 2010 and presented at the fall 2010 SGIP meeting the same week.

The resulting information models contained in both the REQ and WEQ recommendations are identical and were developed jointly by the NAESB to ensure compatibility while respecting the regulatory structure of the energy markets. The energy usage information model serves as a “seed standard” and focuses on the representation of energy usage information, which includes historic, present and future projected usage and load for specific time periods. The standard defines a common data format of classes and attributes to communicate

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<sup>20</sup> The NAESB Smart Grid PAP10 Survey Results are available at [http://www.naesb.org/pdf4/naesb\\_smart\\_grid\\_pap10\\_survey\\_results.pdf](http://www.naesb.org/pdf4/naesb_smart_grid_pap10_survey_results.pdf)

information between utilities, third parties, and energy use customers, via customer devices and/or third-party energy services providers and enables the exchange of detailed energy information in a consistent format for use by all parties. On January 28, 2011 the SGIP Governing Board voted to approve the standards and recommended that they be considered for inclusion in the SGIP Catalog of Standards.

#### Other Smart Grid Related Standards Development Efforts Currently Underway

As previously noted, the NAESB energy usage information Model was developed to serve as a “seed” standard from which other standards and schemas may be developed. Within NAESB, the REQ Energy Services Provider Interface Task Force is currently developing a standard for the exchange of energy usage information between designated parties and will build upon the energy usage information model. The specification is targeted to apply to communications between utility providers, third parties and consumers, based upon the use cases and requirements identified in the 3PDA and Open ADE 1.0 specifications. The request for standards development was submitted by the Open ADE Task Force within the UCA International Users Group and the task force is co-chaired by representatives from Tendril and Xtensible Solutions. The effort is scheduled to be complete, at the task force level, by the end of the third quarter 2011.

The REQ is also addressing NAESB request R10012 submitted by Reliant Energy in December 2010, which calls for the development of model business practices that will set forth standards for the release of consumer information to third parties and the privacy policies and practices those third parties should employ. In response to the request, the REQ created the Data Privacy Task Force, which approved a recommendation that is currently out for the thirty-day formal comment period. The recommendation offers model business practices that incorporate many of the recommendations included in published reports on the subject by state commissions, the Department of Energy, the Department of Commerce, NIST and the FCC, among others. The task force, co-chaired by NARUC and the Public Utility Commission of Texas, met once more in June to develop a set of late comments in response to the comments received during the formal comment period for REQ Executive Committee consideration in a review session on June 30, 2011 and vote on July 7, 2011.

#### IV. Participation

As with all NAESB meetings, participation within the subcommittees and task forces that developed the smart grid related standards was open to anyone wishing to participate regardless of membership status. The NAESB practice of allowing non-members to draft and vote on standards at the subcommittee and task force level is in place to ensure compliance with the NAESB principles of openness and inclusivity and forms an important part of NAESB’s American National Standards Institute accreditation. Participation in all NAESB meetings and conference calls is made freely available to anyone within the continental United States through telephone and web based participation in addition to the option to submit comments during the standards development process. These policies played a vital role in the development of the NAESB smart grid standards, as a majority of participation was from non-members and, in some cases, from those outside of the traditional energy industry.



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** [naesb@naesb.org](mailto:naesb@naesb.org) • **Web Site Address:** [www.naesb.org](http://www.naesb.org)

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June 20, 2011  
Filed Electronically

The Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20585

RE: Standards for Business Practices of Public Utilities (Docket Nos. RM 01-5-000 and RM05-5-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") herewith submits this report to the Federal Energy Regulatory Commission ("FERC" or "Commission") regarding errata to Version 002.1 of the NAESB Wholesale Electric Quadrant ("WEQ") standards, provided to the Commission on February 19, 2009. This report is voluntarily submitted by NAESB in response to Docket Nos. RM01-5-00 and RM05-5-013. The NAESB WEQ Version 002.1 standards were ratified by the NAESB membership and published on March 11, 2009. FERC approved the NAESB WEQ Version 002.1 standards on November 24, 2009 in Order No. 676-E. The minor corrections included in this report were adopted by the WEQ Executive Committee between August 19, 2010 and May 20, 2011.

The report is being filed electronically in Adobe Acrobat® Portable Document Format (.pdf). All of the documents are also available on the NAESB web site ([www.naesb.org](http://www.naesb.org)). Should you have need of the filing in editable format, we can provide it in Microsoft® Word® 2003. Please feel free to call me at (713) 356-0060 or refer to the NAESB website ([www.naesb.org](http://www.naesb.org)) should you have any questions or need additional information regarding the errata to the NAESB WEQ Version 002.1 standard or any other NAESB work products.

Respectfully submitted,

*Rae McQuade*

Ms. Rae McQuade  
President & COO, North American Energy Standards Board



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** [naesb@naesb.org](mailto:naesb@naesb.org) • **Web Site Address:** [www.naesb.org](http://www.naesb.org)

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June 20, 2011

cc without enclosures:

Chairman Jon Wellinohoff, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner Marc Spitzer, Federal Energy Regulatory Commission  
Commissioner John R. Norris, Federal Energy Regulatory Commission  
Commissioner Cheryl A. LaFleur, Federal Energy Regulatory Commission

Mr. Michael C. McLaughlin, Office Director, Office of Energy Market Regulations,  
Federal Energy Regulatory Commission  
Mr. Michael Bardee, General Counsel of the Commission, Federal Energy Regulatory  
Commission

Mr. Michael Goldenberg, Senior Attorney, Office of General Counsel, Federal Energy  
Regulatory Commission  
Ms. Jamie Simler, Director, Office of Energy Policy and Innovation  
Mr. Mason Emnett, Associate Director, Office of Energy Policy and Innovation

Ms. Valerie Crockett, Chairman and CEO, North American Energy Standards Board  
Mr. William P. Boswell, General Counsel, North American Energy Standards Board

**UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION**

**Standards for Business Practices )  
And Communication Protocols for Public Utilities )**

**Docket No. RM 01-5-000  
Docket No. RM05-5-000**

**REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD**

The North American Energy Standards Board (“NAESB”) is voluntarily submitting this report in accordance with the Commission’s Orders in the above referenced Dockets. The report is organized into appendices; the first six appendices reference specific minor corrections. The last three appendices reference the NAESB Wholesale Electric Quadrant (“WEQ”) Executive Committee (“EC”) meeting minutes approving the WEQ minor corrections, the notice to WEQ membership of the WEQ EC adoption of the minor corrections, and NAESB Operating Procedures for minor clarifications and corrections to standards.

The list of appendices shown below in tabular form include the FERC docket number(s) for the amended standard(s), the version(s) of standard(s) amended, and a description of the amendments:

<b>Appendix No.</b>	<b>Minor Correction Description</b>
Appendix 1	<p><b>MC10019</b> applies to Docket No. RM01-5-000 and Version 002.1 of the NAESB standards, in particular to WEQ-014-A – Implementation Guide for Electronic Tariff Filing, which was adopted by FERC<sup>1</sup> on January 21, 2010.</p> <p>Minor correction to the WEQ/WGQ Implementation Guide for Electronic Tariff Filing to correspond to modifications made by FERC to its Implementation Guide for Electronic Filing of Parts 35, 154, 284, 300, and 341 Tariff Filings. FERC issued 6 revised versions to its implementation guide. The FERC revised version dates are as follows:</p> <p align="center">March 27, 2009, April 21, 2009, May 1, 2009, July 28, 2009, December 18, 2009, and January 21, 2010</p> <p><u>Errata to Version 002.1 NAESB WEQ Business Practice Standards:</u></p> <p>NAESB WEQ Business Practice Standards WEQ-014-A (Implementation Guide for Electronic Tariff Filing): The purpose of the minor correction is to make corresponding revisions to the comparable sections of the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing. The remaining portion of the NAESB WEQ/WGQ implementation guide (the Use Cases, Examples and FAQ sections) are unchanged and therefore, those pages are not included.</p>

<sup>1</sup> FERC Order establishing procedures relating to tariffs filed electronically (Docket No. RM01-5-000), available at <http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12249629>

Appendix No.	Minor Correction Description
Appendix 2	<p><b>MC10032</b> applies to Docket No. RM05-5-013, FERC Order No. 676-E and Version 002.1 of the NAESB standards, in particular to WEQ-007-A, which was adopted by FERC<sup>2</sup> on November 24, 2009.</p> <p>Errata to NAESB WEQ Version 002.1 NAESB WEQ Business Practice Standards WEQ-007, Inadvertent Interchange Payback, to add defined terms ‘On-Peak’ and ‘Off-Peak.’ The appendix in this Business Practice Standard WEQ-007-A provides the clarification/definition for On-Peak and Off-Peak. Rather than trying to include large portions of the appendix in the definitions, the WEQ EC approved the definitions for these terms point to NAESB WEQ Business Practice Standard WEQ-007-A. This approach is similar to what was done for other terms such as Actual Daily Native Peak Load and Forecasted Daily Zonal Load.</p> <p><u>Errata to Version 002.1 NAESB WEQ Business Practice Standards:</u></p> <p>NAESB WEQ Business Practice Standards WEQ-007 (Inadvertent Interchange Payback) add defined terms ‘On-Peak’ and ‘Off-Peak’</p>
Appendix 3	<p><b>MC10033</b> applies to Docket No. RM05-5-013, FERC Order No. 676-E and Version 002.1 of the NAESB standards, in particular to WEQ-003-0, the OASIS Data Dictionary, which was adopted by the FERC<sup>3</sup> on November 24, 2009.</p> <p>Errata to NAESB Version 002.1, NAESB WEQ Business Practice Standard WEQ-003-0 to correct a discrepancy in the definition of ANNULLED as identified in NAESB WEQ Business Practice Standards WEQ-013.</p> <p><u>Errata to Version 002.1 NAESB WEQ Business Practice Standard:</u></p> <p>NAESB WEQ Business Practice Standard WEQ-003-0 (OASIS Data Dictionary, Version 1.5) correction definition of ANNULLED to read: ANNULLED – assigned by the Seller when, by mutual agreement with the Customer, a reservation or pre-confirmed request is to be voided, or assigned unilaterally by the Primary Provider when a resale reservation is to be voided. (Final state)</p>
Appendix 4	<p><b>MC10041</b> applies to Docket No. RM01-5-000 and Version 002.1 of the NAESB standards, in particular to WEQ-014-A, Implementation Guide for Electronic Tariff Filing, which was adopted by FERC<sup>4</sup> on January 21, 2010.</p> <p>Minor Correction to the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing to correspond to modifications made by FERC to its Implementation Guide for Electronic Filing of Parts 25, 154, 284, 300, and 241 Tariff Filings as noted in the FERC eTariff RSS Feed(s), dated October 8, 2010.</p> <p><u>Errata to Version 002.1 NAESB WEQ Business Practice Standards:</u></p> <p>NAESB WEQ Business Practice Standards WEQ-014-A (Implementation Guide for Electronic Tariff Filing): The purpose of this minor correction is to make corresponding revisions to the comparable sections of the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing. The remaining portion of the NAESB WEQ/WGQ implementation guide (the Use Cases,</p>

<sup>2</sup> FERC Final Rule on Standards for Business Practice and Communication Protocols for Public Utilities (Docket No. RM05-5-013; FERC Order No. 676-E), available at <http://elibrary.ferc.gov/idmws/common/OpenNat.asp?fileID=12205098>.

<sup>3</sup> Id.

<sup>4</sup> FERC Order establishing procedures relating to tariffs filed electronically (Docket No. RM01-5-000), available at <http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12249629>.

Appendix No.	Minor Correction Description
	Examples and FAQ sections) are unchanged and therefore, those pages are not included.
Appendix 5	<p><b>MC11011</b> applies to Docket No. RM05-5-013 and Version 002.1 of the NAESB standards, in particular to WEQ-006, Manual Time Error Correction, which was adopted by the FERC<sup>5</sup> on November 24, 2009.</p> <p>Minor correction to NAESB WEQ Version 002.1, NAESB WEQ Business Practice Standards WEQ-006 (Manual Time Error Correction) to suspend the NAESB WEQ Business Practice Standards for WEQ-006-1 through WEQ-006-12 based on the motion approved by the NERC Operating Committee at their March 9, 2011 meeting. The motion stated:</p> <p><i>The Operating committee adopts the Time Error Correction Field Trial as outlined by the Resources Subcommittee predicated on the following:</i></p> <ul style="list-style-type: none"> <li>• <i>NERC develops correspondence from either the general counsel or the president, informing the FERC that the field trial is expected to be implemented on June 11,2011 and continue until either a.) the test is halted, or b.) modifications to the appropriate standards are made, up to and including retirement of standards. The correspondence should further explain that, during the field trial, compliance with associated NERC standards need to be waived. NERC and its stakeholders will work with NAESB to determine what actions, if any, may need to occur relative to NAESB standards.</i></li> <li>• <i>NERC complete the Time Correction field trial communications outreach program.</i></li> <li>• <i>During the field trial, time error will continue to be monitored but all manual time corrections will cease.</i></li> </ul> <p><u>Errata to Version 002.1 NAESB WEQ Business Practice Standards:</u></p> <p>NAESB WEQ Business Practice Standards WEQ-006 (Manual Time Error Correction), suspend the NAESB WEQ Business Practice Standards for WEQ-006-1 through WEQ-006-12 by adding the following language before the ‘Introduction’ section of the standards: ‘The following standards are suspended from the start the NERC Time Error Correction Field Trial until either a) the test is halted, or b) modifications to the appropriate standards are made, up to and including the retirement of the corresponding Standards.’</p>
Appendix 6	<p><b>MC11016</b> applies to Docket No. RM01-5-000 and Version 002.1 of the NAESB standards, in particular to WEQ-014-A, Implementation Guide for Electronic Tariff Filing, which was adopted by FERC<sup>6</sup> on January 21, 2010.</p> <p>Minor Correction to the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing to correspond to modifications made by FERC to its Implementation Guide for Electronic Filing of Parts 25, 154, 284, 300, and 241 Tariff Filings as noted in the FERC eTariff RSS Feed(s), dated April 18, 2011.</p> <p><u>Errata to Version 002.1 NAESB WEQ Business Practice Standards:</u></p> <p>NAESB WEQ Business Practice Standards WEQ-014-A (Implementation Guide for Electronic Tariff Filing): The purpose of this minor correction is to make corresponding revisions to the comparable sections of the NAESB WEQ/WGQ Implementation Guide for Electronic Tariff Filing. The remaining portion of the NAESB WEQ/WGQ implementation guide (the Use Cases, Examples and FAQ sections) are unchanged and therefore, those pages are not included.</p>

<sup>5</sup> FERC Final Rule on Standards for Business Practice and Communication Protocols for Public Utilities (Docket No. RM05-5-013; FERC Order No. 676-E), available at <http://elibrary.ferc.gov/idmws/common/OpenNat.asp?fileID=12205098>.

<sup>6</sup> FERC Order establishing procedures relating to tariffs filed electronically (Docket No. RM01-5-000), available at <http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12249629>.

Appendix No.	Minor Correction Description
Appendix 7	NAESB WEQ Executive Committee meeting minutes approving NAESB WEQ minor corrections.
Appendix 8	Notice to WEQ members of Executive Committee adoption of minor corrections.
Appendix 9	NAESB operating procedures for minor clarifications and corrections to standards.

We appreciate the opportunity to provide these minor corrections to the Commission. As can be seen in the table, the minor corrections impact Version 002.1 of the NAESB WEQ standards, adopted by the Commission in Docket Nos. RM01-5-000 and RM05-5-013. For the eTariff amendments in Docket No. RM01-5-000, the changes are reflective of actions taken by the Commission, and applied sequentially to ensure that the related NAESB standards mirror the Commission’s application of the eTariff program. For the minor corrections to the NAESB standards that have North American Electric Reliability Corporation (“NERC”) counterparts, the standards are not inconsistent with actions taken by NERC, and indeed were voted on in support by the NERC representative on the EC. If there are any questions or additional information is required, do not hesitate to contact the NAESB office (713-356-0060, [naesb@naesb.org](mailto:naesb@naesb.org)).



**NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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April 30, 2011

Filed Electronically

Ms. Kimberly Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20585

RE: Submittal for "Measurement and Verification of Demand Response Products" (Docket No. RM05-5-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") submits this report to the Federal Energy Regulatory Commission ("FERC" or "Commission") regarding the second phase of measurement and verification of demand response products and services and the measurement and verification of energy efficiency products and services administered in wholesale electricity markets. This NAESB report is voluntarily submitted by NAESB in response to Docket No. RM05-5-000. The phase 2 NAESB standards related to the measurement and verification of demand response products and services were ratified by NAESB membership on March 21, 2011 and became available as final actions. The NAESB standards related to the measurement and verification of energy efficiency products and services are to complete the ratification process on May 13, 2011, after which we will provide a supplemental filing. We very much appreciate the time, knowledge and industry leadership provided by all participants, both members and non-members and look forward to the further development of demand side management and energy efficiency business practice standards, if directed to do so by the Commission.

The report is being filed electronically in Adobe Acrobat® Print Document Format (.pdf). All of the documents are also available on the NAESB web site ([www.naesb.org](http://www.naesb.org)). Please feel free to call me at (713) 356-0060 or refer to the NAESB website ([www.naesb.org](http://www.naesb.org)) should you have any questions or need additional information regarding the NAESB DSM-EE standards or any other NAESB work products.

Respectfully submitted,

*Rae McQuade*

Ms. Rae McQuade  
President & COO, North American Energy Standards Board



## NORTH AMERICAN ENERGY STANDARDS BOARD

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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April 30, 2011  
Page 2

cc with enclosures:

Chairman Jon Wellinghoff, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner John R. Norris, Federal Energy Regulatory Commission  
Commissioner Marc Spitzer, Federal Energy Regulatory Commission  
Commissioner Cheryl LaFleur, Federal Energy Regulatory Commission

Mr. Michael Bardee, General Counsel of the Commission, Federal Energy Regulatory Commission

Mr. Joseph McClelland, Director, Office of Electric Reliability, Federal Energy Regulatory Commission

Ms. Jamie L. Simler, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. Michael Goldenberg, Senior Attorney, Office of General Counsel, Federal Energy Regulatory Commission

Mr. Mason Emmett, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. William E. Murrell, Deputy Director, Division of Economic and Technical Analysis, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. David Kathan, Economist, OEMR-Policy, Federal Energy Regulatory Commission

Ms. Valerie Crockett, Chairman and CEO, North American Energy Standards Board

Mr. William P. Boswell, General Counsel, North American Energy Standards Board

Mr. Michael D. Desselle, Vice Chairman – WEQ, North American Energy Standards Board

Ms. Kathy York, Chairman WEQ Executive Committee, North American Energy Standards Board

Enclosures (all documents noted in the appendices are available publicly on the NAESB web site – [www.naesb.org](http://www.naesb.org)):

Appendix A DSM-EE Distribution List

Appendix B WEQ/Retail DSM-EE Subcommittee Meeting Minutes Links

Appendix C Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts

Appendix D Ratification Ballots and Results Links

Appendix E 2009 Wholesale Electric Quadrant Annual Plan

Appendix F 2010 Wholesale Electric Quadrant Annual Plan

Appendix G NAESB Process for Standards Development



**NORTH AMERICAN ENERGY STANDARDS BOARD**

1100 Louisiana, Suite 3625 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: naesb@aol.com • Web Site Address: www.naesb.org

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**UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION**

**Standards for Business Practice and  
Communication Protocols for Public Utilities** )  
)  
)

**Docket No. RM05-5-000**

**REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD**

The North American Energy Standards Board ("NAESB") is voluntarily submitting this report in accordance with the Commission's orders in the above referenced docket. This report is intended solely as a status report from NAESB regarding the Demand Side Management and Energy Efficiency ("DSM-EE") subcommittee process, issues and standards. NAESB does not advocate that the Commission take a particular position on any of the issues presented.

**Phase 2 Wholesale Electric Demand Response**

Following the adoption of the phase 1 Wholesale Electric Quadrant ("WEQ") Demand Response ("DR") standards by the WEQ Executive Committee ("EC") on February 10, 2009, the WEQ DR work group began meeting to develop more technical standards that would apply in the Independent System Operators and Regional Transmission Organizations ("ISO-RTO") regions. The work group met from April 16, 2009 to January 26, 2011 to draft the second phase of standards for the measurement and verification of demand response programs in the wholesale market. There were eight subcommittee meetings and various work group meetings focused solely on DSM-EE issues, including the second phase development effort. All meetings were publicly noticed and open to all interested parties, and were available by phone and web cast for those unable to travel. The meetings were held in various locations, diverse geographically. Any interested party was encouraged to submit comments if their schedules would not permit them to participate either in person or over the phone/web cast. Appendix A includes the DSM-EE distribution list sorted by organization and participant name. The minutes of these meetings are provided as links in Appendices B (for the wholesale and retail DSM-EE subcommittee) and C (for the WEQ EC), which include the voting record of the WEQ EC, and include all comments filed as part of the formal comment period for the proposed DSM standards. The ratification ballots and member ratification voting record results are also included as links in Appendix D. The 2009 and 2010 WEQ Annual Plans are contained in Appendices E and F, respectively. An abbreviated review of the NAESB process by which the standards were drafted, considered and adopted is provided in Appendix G. More detailed process descriptions can be accessed from the NAESB web site.

During the development of the phase 2 standards, the WEQ DR work group discussed the level of detail that would be included in the recommendation. Most participants agreed that the standards developed should not duplicate efforts undertaken in the stakeholder process of the ISO/RTOs, which vetted the adopted programs extensively. The ISO-RTO Council matrix was developed during the creation of the first phase of standards development and updated during the development process of the phase 2 standards. This matrix contains every ISO/RTO demand response program and all measurement and verification data points of those programs. The language in the matrix is referenced in the phase 2 standards. The majority of the WEQ DR work group agreed that impacting the stakeholder process would require guidance from the FERC. With the determination not to consider standards

development that would duplicate efforts undertaken in the ISO-RTO stakeholder process, a benchmark was created that guided the extent to which more detailed technical standards could be developed.

On December 1, 2010, the DSM-EE subcommittee voted out the recommendation with support from all segments of the wholesale electric quadrant<sup>1</sup>. The recommendation was sent out for a thirty-day industry comment period on December 8, 2010 and nine comments were received.<sup>2</sup> The comments were considered by the WEQ EC on February 1, 2011<sup>3</sup> and the DSM-EE subcommittee chairs provided a review that gave additional context to the standards. The WEQ EC vote on February 1, 2011 during the WEQ EC meeting was inconclusive, so a notational ballot was sent out to those EC members that did not vote during the meeting. With the completion of the notational balloting period on February 18, 2011 the EC approved the recommendation, with the needed super-majority threshold of 67% and a minimum of 40% affirmative votes from each segment. No negative votes were received. The recommendation was then ratified by the WEQ members on March 21, 2011<sup>4</sup> after a thirty-day ratification period. It garnered 100% approval, clearly exceeding the super-majority threshold of 67%.

The WEQ phase 2 demand response standards<sup>5</sup> address the measurement and verification characteristics of demand response products and services administered for application in the wholesale electricity market. The standards address four product/service categories (energy service, capacity service, reserve service and regulation service), and establish criteria for the use of equipment, technology and procedures to quantify the demand reduction value delivered. The second phase of the standards include additional granularity in the definitions and business practice standards, most notably in the following areas: Meter Data Reporting Deadline, Advanced Notification, Telemetry Interval, Meter Accuracy for After-The-Fact Metering, Meter Data Reporting Interval and Adjustment Window. The standards replaced the references to the "System Operator" with the term "Governing Documents," which is defined in the glossary. The standards are now considered a final action<sup>6</sup> and are accessible as a final action from the NAESB web site.

In October of 2009, the Retail Electric EC held a conference call to review the formal comments received and vote on the Retail DR model business practices. Several of the formal comments were substantive in nature. Rather than delay approval of the model business practices, the EC approved them and sent the formal comments to the Retail DR work group for consideration on its phase 2 efforts. The second phase effort included a great deal of coordination with the WEQ DR work group to ensure consistency between the two recommendations. Following the approval of the phase 1 Retail DR model business practices, the Retail DR work group met in early 2010 to review the formal comments that were submitted to them by the Retail Electric EC. The DSM-EE subcommittee voted to approve the phase 2 Retail DR model business practices on December 1, 2010. The Retail Electric EC approved them on February 2, 2011 and they were ratified on March 21, 2011<sup>7</sup>. They are included for informational purposes.

### **Wholesale Electric Energy Efficiency**

The NAESB DSM-EE subcommittee also completed the Wholesale Energy Efficiency ("EE") recommendation. The DSM-EE meetings and WEQ EC meetings where these standards were drafted, discussed and adopted took place from July 2009 to December 2010. The work began with a scoping task force for both the wholesale and retail energy efficiency efforts. The task force met twice and sent out a request for informal comments for industry feedback on the scope of the energy efficiency work product. There were thirteen work group and subcommittee meetings that focused solely on DSM/EE issues. Following the development of its recommendation, the wholesale energy efficiency work group sent out a request for informal comments and four sets of comments were received. The comments were discussed over two meetings, to allow all commenters time to discuss their comments and allow the work group to provide feedback on those comments. Included in the informal comments was a comment from

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<sup>1</sup> NAESB DSM-EE Subcommittee Meeting Minutes, available at <http://www.naesb.org/pdf4/dsmee120110dm.doc>, December 1, 2010, (Motion to adopt the recommendation made by Paul Wattles of ERCOT and seconded by Josh Phillips of Southwest Power Pool, both of whom voted in support of the recommended standards).

<sup>2</sup> WEQ Request for Comments, available at [http://www.naesb.org/weq\\_request.asp](http://www.naesb.org/weq_request.asp). The comments are located in the row titled, WEQ 2010 Annual Plan Items 4a and 4b.

<sup>3</sup> NAESB WEQ Executive Committee Meeting Minutes, available at [http://www.naesb.org/pdf4/weq\\_ec020111dm.doc](http://www.naesb.org/pdf4/weq_ec020111dm.doc), February 1, 2011.

<sup>4</sup> WEQ Member Ratification of the wholesale M&V standards, available at <http://www.naesb.org/ratification.asp>. The ratification tally is located on the row dated February 18, 2011.

<sup>5</sup> NAESB 2010 WEQ Annual Plan 4(a) and (b) Final Action: Review and develop business practice standards to support DR and DSM-EE programs, Ratified March 21, 2011, available at [http://www.naesb.org/member\\_login\\_check.asp?doc=fa\\_2010\\_weq\\_api\\_4a\\_4b.doc](http://www.naesb.org/member_login_check.asp?doc=fa_2010_weq_api_4a_4b.doc).

<sup>6</sup> *Id.*

<sup>7</sup> NAESB 2010 Retail Annual Plan 3(c) Final Action: Review and develop business practice standards to support DR and DSM-EE programs, Ratified March 21, 2011, available at [http://www.naesb.org/member\\_login\\_check.asp?doc=fa\\_2010\\_retail\\_api\\_3\\_c.doc](http://www.naesb.org/member_login_check.asp?doc=fa_2010_retail_api_3_c.doc).

the Northeast Energy Efficiency Partnerships (“NEEP”) to remove NAESB Proposed Standard WEQ-021-3.11.1.9 for two reasons: (1) the prescribed accuracy for “the overall accuracy of the calculated value” extends beyond the hardware-specific scope of Section WEQ.021.3.11 and into methodological and bias issues addressed elsewhere in the Draft Manual; and (2) the accuracy criteria for “any” measured data used in the development of demand impacts would exclude many essential resources of undocumented accuracy such as TMY2 temperature, manufacturing production, and energy management system (EMS) temperature and flow data. The wholesale energy efficiency work group disagreed with the removal of the language because it would lower the standards for accepting proxy variables. After discussion, the language of the proposed standard was changed to read, “Any measurement or monitoring equipment for proxy variables that do not directly measure electrical demand, including but not limited to voltage, current, temperature, flow rates and operating hours, shall have an accuracy of  $\pm 2\%$ , unless otherwise provided in the Governing Documents,” which received unanimous support from the work group as it was drafted on November 18, 2010<sup>8</sup>. There were seven EC meetings where the DSM-EE standards development effort was discussed as one of the agenda topics. Again, all meetings were open to all interested parties and were publicly noticed, and were available by phone and web cast for those unable to travel.

During the development of the wholesale energy efficiency request, the group understood that the standards would reflect the efforts of multiple quadrants and market interests. During the development, the wholesale energy efficiency work group worked to ensure that the standards developed complemented the model business practices created in the retail energy efficiency work group. The retail work group continues to draft its work product, which should be completed in the second quarter of 2011. All interested parties regardless of membership in NAESB were encouraged to participate, as they are in all NAESB meetings, to provide the broadest possible input from the industry, as work products are prepared.

On December 1, 2010, the DSM-EE subcommittee voted out its recommendation<sup>9</sup> with significant support from all segments of the wholesale electric quadrant, and no votes in opposition. The recommendation was sent out for a thirty-day industry comment on December 8, 2010 and four sets of comments were received. The wholesale energy efficiency work group met on February 15 to review the informal comments. At that time, NEEP once again raised the issue of deleting 021-3.11.1.9, but had not submitted formal comments for the DSM-EE subcommittee to consider. The wholesale energy efficiency work group, having already addressed the comment in the informal comment period, suggested NEEP submit late formal comments for the WEQ EC to consider. NEEP submitted late comments along with ten other companies in support of NEEP’s change, only two of which had any earlier participation in the development of the standard. The comments were considered by the WEQ EC on March 21, 2011 and the proposed change was not adopted. The WEQ EC voted on March 21, 2011, with notational ballots due on April 8, 2011 for absent EC members, to approve the recommendation, passing the EC with the needed super-majority threshold of 67% and a minimum of 40% affirmative votes from each segment, receiving 69.4% affirmative votes overall including meeting the segment threshold. One negative vote and one abstention were received. The recommendation has been sent out for ratification, due May 13, 2011. Once the recommendation has been ratified, the NAESB office will file a supplemental filing, informing the Commission of the ratification results.

The WEQ EE standards include six new definitions and 63 business practice standards. The purpose of the energy efficiency standards was to create a standardized method for quantifying the energy reduction for energy efficiency measures; lighting, appliances, industrial process improvements and building management. The standards contain energy efficiency use criteria in wholesale markets, the general requirements for the structure of a measurement and verification (M&V) plan and detailed criteria for accepted M&V methodologies. The standards are built upon the current M&V manuals vetted by stakeholders in PJM and ISO New England, the Federal Energy Management Program M&V standards, the International Performance Measurement and Verification Protocol and other state protocols. Once ratified, the standards will be considered a final action and will be accessible as a final action from the NAESB website. They will be included in our next publication, WEQ Version 2.2, currently slated for completion and publication in third quarter 2011.

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<sup>8</sup> NAESB DSM-EE Wholesale Energy Efficiency Work Group meeting minutes, available at [http://www.naesb.org/pdf4/dsmee\\_wholesale\\_ee\\_111810mn.doc](http://www.naesb.org/pdf4/dsmee_wholesale_ee_111810mn.doc), November 18, 2010.

<sup>9</sup> NAESB 2010 WEQ Annual Plan 4(d) Recommendation: Business Practice Standards for Measurement and Verification of Energy Efficiency Products as approved by the WEQ Executive Committee via notational ballot on April 8, 2011, available at [http://www.naesb.org/member\\_login\\_check.asp?doc=weq\\_rat041311\\_2010\\_weq\\_api\\_4d\\_rec.doc](http://www.naesb.org/member_login_check.asp?doc=weq_rat041311_2010_weq_api_4d_rec.doc) WEQ member ratification ends May 13, 2011.



## NORTH AMERICAN ENERGY STANDARDS BOARD

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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March 9, 2011  
Filed Electronically

The Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20585

RE: NAESB Progress Report on Standards Development to Support Coordination of Requests for Transmission Service Across Multiple Transmission Systems (Docket No. RM05-5-013, Order No. 676-E)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") herewith submits this status report on NAESB standards development in support of coordination of requests for transmission service across multiple transmission systems, in response to the final rule for "Standards for Business Practices and Communication Protocols for Public Utilities," (Docket No. RM05-5-013, Order No. 676-E), issued by the Federal Energy Regulatory Commission ("FERC" or "Commission") on November 24, 2009. The status report describes the actions that have taken place to date, and the plans going forward related to the development in support of coordination of requests for transmission service across multiple transmission systems. It is expected that these standards will be included in the NAESB OASIS standards (WEQ-001, WEQ-002, WEQ-003, and WEQ-013).

The report is being filed electronically in Microsoft® Word® 2003 and in Adobe Acrobat® Portable Document Format (.pdf). The report is also available on the NAESB web site ([www.naesb.org](http://www.naesb.org)). Please feel free to call me at (713) 356-0060 or refer to the NAESB website ([www.naesb.org](http://www.naesb.org)) should you have any questions or need additional information regarding NAESB work products.

Respectfully submitted,

*Cory Galik Cummings*

Ms. Cory Galik Cummings

Staff Attorney, North American Energy Standards Board



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** [naesb@naesb.org](mailto:naesb@naesb.org) • **Web Site Address:** [www.naesb.org](http://www.naesb.org)

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March 9, 2011

cc:

Chairman Jon Wellinghoff, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner John R. Norris, Federal Energy Regulatory Commission  
Commissioner Marc Spitzer, Federal Energy Regulatory Commission  
Commissioner Cheryl LaFleur, Federal Energy Regulatory Commission

Mr. Michael Bardee, General Counsel of the Commission, Federal Energy Regulatory Commission

Mr. Joseph McClelland, Director, Office of Electric Reliability, Federal Energy Regulatory Commission

Ms. Jamie L. Simler, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. Michael Goldenberg, Senior Attorney, Office of General Counsel, Federal Energy Regulatory Commission

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Mr. William E. Murrell, Deputy Director, Division of Economic and Technical Analysis, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Ms. Valerie Crockett, Chairman and CEO, North American Energy Standards Board

Mr. William P. Boswell, General Counsel, North American Energy Standards Board

Ms. Rae McQuade, President & COO, North American Energy Standards Board

Mr. Michael D. Desselle, Vice Chairman – WEQ, North American Energy Standards Board

Ms. Kathy York, Chairman WEQ Executive Committee, North American Energy Standards Board

Mr. Andrew Rodriguez, Director of Standards Development, North American Electric Reliability Corporation



**NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: naesb@naesb.org • Web Site Address: www.naesb.org

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March 9, 2011

**UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION**

**Standards for Business Practices ) Docket No. RM05-5-013**  
**and Communication Protocols for )**  
**Public Utilities )**

**STATUS REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD**

The North American Energy Standards Board (“NAESB”) is pleased to provide this status report in response to the Federal Energy Regulatory Commission’s (“FERC” or the “Commission”) Final Rule on Standards for Business Practices and Communication Protocols for Public Utilities (Docket No. RM05-5-013; Order No. 676-E).<sup>1</sup>

In our last report<sup>2</sup> to you, we expected to complete the subcommittee work on Network Integration Transmission Service (“NITS”) in August of 2010 and Service Across Multiple Transmission Systems (“SAMTS”) by yearend, with a filing for Version 2.2 in 1<sup>st</sup> quarter, 2011. To accomplish such, we expected to be able to develop standards for NITS and SAMTS concurrently; that expectation was unsuitable for development given the robust set of standards. The complexity of the application of NITS to the existing body of NAESB standards was unanticipated. As the subcommittee worked on the standards development, it became apparent

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<sup>1</sup> FERC Order No. 676-E, 18 C.F.R. §38.2 , ¶105, can be accessed from <http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12205059>.

<sup>2</sup> NAESB Progress Report on standards development to support coordination of requests for transmission service across multiple transmission systems (Docket No. RM05-5-013, Order No. 676-E), can be accessed from [http://www.naesb.org/pdf4/ferc070810\\_samts\\_progress\\_report.pdf](http://www.naesb.org/pdf4/ferc070810_samts_progress_report.pdf).



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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March 9, 2011

that the work would be more complicated than originally thought. On inception the project was simple, to add NITS standards to the OASIS suite of standards, WEQ-001, WEQ-003 and WEQ-013. It became apparent that the work would be more complicated after evaluating and interpreting FERC Order Nos. 890- A, 890-B and 890-C and reviewing the sheer volume of data required by OATT part III. The complexity of the development lies in the addition of a new set of services to the OASIS standards and incorporating widely diverse information requirements in a NITS application. The addition includes the application procedures, designation of network resources, transmission service, transmission provider responsibilities, transmission customer responsibilities, resource and load designations and forecasts, conditions for interruption of loads, generation operating restrictions, maintenance schedules, dispatch costs, customer's transmission system asset information and more. The NITS volume of data can include several hundred up to thousands of pieces of data. Correctly identifying and organizing the information in standards was exacting and painstakingly detailed.

The inability to develop the two work products, NITS and SAMTS, concurrently stems from SAMTS requiring coordination across multiple transmission providers, some of which are network service requests, defined by NITS, which means the NITS standards have to exist. From the last FERC update on July 8, 2010 to January of this year, the OASIS subcommittee has primarily focused its attention on completing its work on NITS. Currently, NITS is in a phase of standards development where only technical work remains that impacts WEQ-002 – standards and communication protocols and WEQ-013 – implementation guide. This accomplishment has now permitted the subcommittee to focus the majority of its attention on SAMTS. The full OASIS subcommittee began focused development efforts for SAMTS on January 5, 2011.

Since our last report the OASIS subcommittee has met 22 times for a total of 263 hours, not including the efforts outside the meetings to prepare draft work products. Most recently, the



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** naesb@naesb.org • **Web Site Address:** www.naesb.org

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March 9, 2011

subcommittee's last eight meetings (a total of 85 hours) have been devoted to SAMTS. For SAMTS, the OASIS subcommittee has developed the business practice standards along with a first draft of the template structures for organization of the data. Once this was completed, the subcommittee was able to begin the evaluation of the technical specifications. The subcommittee also determined not to pursue the new state of Provisionally Denied, but rather expanded the initial scope<sup>3</sup> to include customer concerns about loss of queue position for requests that are queued after the linked requests. Including Provisionally Denied would have extended the project, and the concept would have required a more complex implementation. The key concerns expressed in the Provisionally Denied concept can be addressed through implementation of a practice that merely extends the customer response time for a linked request until all transmission providers have responded to all requests in the linked group. This change in practice will be easier to implement than the original practice recommended by the EC Scoping Task Force in August of 2010, while achieving FERC's guidance in FERC Order No. 890 that all the transmission providers involved in a request across multiple systems should consider a request that requires studies across multiple systems to be a single application for purposes of establishing the deadlines for rendering an agreement for service, revising queue status, eliciting deposits and commencing service.

The subcommittee's work for SAMTS can be described in the three steps of the basic process recommended for coordination of requests for transmission service across multiple transmission systems; 1) submission of requests for transmission service; 2) initial processing of transmission service requests (pre-true-up); and 3) final processing of transmission service

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<sup>3</sup> Scope for Coordination for Transmission Service Across Multiple Transmission Systems with revisions approved by the WEQ EC on February 1, 2011 is attached and can also be accessed from [http://naesb.org/pdf4/weq\\_ec020111w9.doc](http://naesb.org/pdf4/weq_ec020111w9.doc).



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March 9, 2011

requests (true-up). The three steps noted above were developed in the business practice standards in WEQ-001 in NAESB standards. The subcommittee continues to address the following remaining work items for SAMTS: WEQ-002 – standards and communication protocols, WEQ-003 – data dictionary, and WEQ-013 – implementation guide, all guided and based on the business practices developed in WEQ-001. The OASIS subcommittee expects to send the NITS and SAMTS recommendations out for an informal comment period in mid-April in order to vote the recommendations out of the subcommittee during the meeting scheduled for May 4 and 5 in Carmel, Indiana. Once the subcommittee has approved the recommendations they will go out for a 30-day formal comment period, after which the WEQ EC will review and vote on the recommendations. After the WEQ EC approves the recommendations, they will be sent out for a 30-day WEQ ratification period. It is expected that we will then file the completed standards with FERC in late 2<sup>nd</sup> quarter, while the standards are considered for ratification. A supplemental filing will be provided with the ratification results. To accomplish this planned work, the OASIS subcommittee has six meetings, an additional 42 hours, scheduled between now and the May 4 and 5 meeting.

We understand the need to complete the standards quickly so that they can be efficiently used in the market. However, the dependency of SAMTS on NITS was an unforeseen complication that caused the delay, as development required sequential rather than concurrent effort. It is our expectation that the fully completed WEQ Version 2.2 standards that we file with you later this year will present a robust and fully integrated work product; one that addresses functionality for SAMTS and NITS throughout the OASIS standards, and more than doubles the number of standards supporting electronic transmission scheduling.



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801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** [naesb@naesb.org](mailto:naesb@naesb.org) • **Web Site Address:** [www.naesb.org](http://www.naesb.org)

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March 9, 2011

We appreciate the opportunity to provide this status report, to support the Commission's directives, and to develop standards for the coordination of requests for transmission service across multiple transmission systems.

Respectfully submitted,

*Cory Galik Cummings*

Cory Galik Cummings  
Staff Attorney, North American Energy Standard Board



**NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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March 2, 2011  
Filed Electronically

The Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20585

RE: Integration of Variable Energy Resources (Docket No. RM10-11-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") herewith submits these comments in response to the Notice of Proposed Rulemaking on "Integration of Variable Energy Resources" (Docket No. RM10-11-000), issued by the Federal Energy Regulatory Commission ("FERC" or "Commission") on November 18, 2010.

The report is being filed electronically in Microsoft® Word® 2003 and in Adobe Acrobat® Portable Document Format (.pdf). The report is also available on the NAESB web site ([www.naesb.org](http://www.naesb.org)). Please feel free to call me at (713) 356-0060 or refer to the NAESB website ([www.naesb.org](http://www.naesb.org)) should you have any questions or need additional information regarding NAESB work products.

Respectfully submitted,

*Jonathan Booe*

Mr. Jonathan Booe

Deputy Director, North American Energy Standards Board



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** naesb@naesb.org • **Web Site Address:** www.naesb.org

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March 2, 2011

cc:

Chairman Jon Wellinghoff, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner John R. Norris, Federal Energy Regulatory Commission  
Commissioner Marc Spitzer, Federal Energy Regulatory Commission  
Commissioner Cheryl LaFleur, Federal Energy Regulatory Commission

Mr. Thomas R. Sheets, General Counsel of the Commission, Federal Energy Regulatory Commission

Mr. Joseph McClelland, Director, Office of Electric Reliability, Federal Energy Regulatory Commission

Ms. Jamie L. Simler, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. Mason Emmett, Associate Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

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Mr. David Cook, General Counsel, North American Electric Reliability Corporation

Mr. Andrew Rodriguez, North American Electric Reliability Corporation



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801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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March 2, 2011

**UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION**

**Integration of Variable Energy Resources )**

**Docket No. RM10-11-000**

**COMMENTS OF THE NORTH AMERICAN ENERGY STANDARDS BOARD**

The North American Energy Standards Board (“NAESB”) is pleased to provide these comments in response to the Notice of Proposed Rulemaking on “Integration of Variable Energy Resources” (Docket No. RM10-11-000), issued by the Federal Energy Regulatory Commission (“FERC” or “Commission”) on November 18, 2010.

NAESB currently maintains several sets of both wholesale gas and wholesale electric standards that have been adopted by the Commission<sup>1</sup> for gas-electric market coordination.<sup>2</sup> In the event the Commission determines additional harmonization of industry standards for the natural gas and electric markets may be needed to support the integration of variable energy resources (“VERs”), NAESB is prepared to support the Commission in any way necessary to expedite the Commission’s directives and maintain the successful public-private relationship the

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<sup>1</sup> Standards for Business Practices for Interstate Natural Gas Pipelines; Standards for Business Practices for Public Utilities, Order No. 698, FERC Stats. & Regs. ¶ 31,251 (2007).

<sup>2</sup> ICF Resources developed an analysis of the “NAESB Report on the Efforts of the Gas-Electric Interdependency Committee” at the request of the U.S. Department of Energy on June 22, 2006 and can be found through the following hyperlink: [http://www.naesb.org/member\\_login\\_check.asp?doc=icf\\_geic\\_primer062206.pdf](http://www.naesb.org/member_login_check.asp?doc=icf_geic_primer062206.pdf)



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801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
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March 2, 2011

organizations have shared for nearly twenty years. As such, we appreciate the opportunity to submit these comments and to support the Commission's activities.

Respectfully submitted,

*Jonathan Booe*

Jonathan Booe  
Deputy Director, North American Energy Standard Board



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801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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March 2, 2011  
Filed Electronically

The Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20585

RE: Smart Grid Interoperability Standards (Docket No. RM11-2-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") herewith submits these comments in response to the Federal Energy Regulatory Commission ("FERC" or "Commission") technical conference to obtain further information to aid the Commission's determination of whether there is "sufficient consensus" that certain smart grid interoperability standards are ready for Commission consideration in a rulemaking proceeding, as directed by section 1305(d) of the Energy Independence and Security Act of 2007 (EISA) held on January 31, 2011.

The report is being filed electronically in Microsoft® Word® 2003 and in Adobe Acrobat® Portable Document Format (.pdf). The report is also available on the NAESB web site ([www.naesb.org](http://www.naesb.org)). Please feel free to call me at (713) 356-0060 or refer to the NAESB website ([www.naesb.org](http://www.naesb.org)) should you have any questions or need additional information regarding NAESB work products.

Respectfully submitted,

*Jonathan Booe*

Mr. Jonathan Booe  
Deputy Director, North American Energy Standards Board



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** [naesb@naesb.org](mailto:naesb@naesb.org) • **Web Site Address:** [www.naesb.org](http://www.naesb.org)

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March 2, 2011

cc:

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Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
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Mr. William P. Boswell, General Counsel, North American Energy Standards Board

Mr. David Cook, General Counsel, North American Electric Reliability Corporation

Mr. Andrew Rodriguez, North American Electric Reliability Corporation

Dr. George Arnold, National Coordinator for Smart Grid Interoperability, National Institute of Standards and Technology

Dr. David Wollman, Group Leader, National Institute of Standards and Technology



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801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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March 2, 2011

### **UNITED STATES OF AMERICA FEDERAL ENERGY REGULATORY COMMISSION**

**Smart Grid Interoperability Standards )**

**Docket No. RM11-2-000**

#### **COMMENTS OF THE NORTH AMERICAN ENERGY STANDARDS BOARD**

The North American Energy Standards Board (“NAESB”) is pleased to provide these comments in response to the Federal Energy Regulatory Commission’s (“FERC” or the “Commission”) technical conference to obtain further information to aid the Commission’s determination of whether there is “sufficient consensus” that certain smart grid interoperability standards are ready for Commission consideration in a rulemaking proceeding, as directed by section 1305(d) of the Energy Independence and Security Act of 2007 (“EISA”) held on January 31, 2011.

NAESB has participated in the National Institute of Standards and Technology (“NIST”) smart grid effort since April 2009 and has held a seat on the Smart Grid Interoperability Panel (“SGIP”) since its formation in November 2009. At the request of NIST and the SGIP, NAESB has developed both wholesale and retail electric market business practice standards to support Priority Action Plans three<sup>1</sup>, four<sup>2</sup>, nine<sup>3</sup> and ten<sup>4</sup>. The standards development process<sup>5</sup> to

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<sup>1</sup> Common Price Communication Model: <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP03PriceProduct>

<sup>2</sup> Common Schedule Communication Mechanism: <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP04Schedules>

<sup>3</sup> Common DR and DER Signals: <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP09DRDER>

<sup>4</sup> Standard Energy Usage Information: <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP10EnergyUsagetoEMS>



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: [naesb@naesb.org](mailto:naesb@naesb.org) • Web Site Address: [www.naesb.org](http://www.naesb.org)

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March 2, 2011

support Priority Action Plans three, four and nine was accomplished through two phases. The standards developed as part of the phase two effort are currently out for membership ratification and garnered significant majority support from both the subcommittee in which they were developed and the in the Executive Committees in which they were approved. We do not expect any issues to arise during the ratification period for these standards which concludes on March 21, 2011. As with all NAESB wholesale market standards, the smart grid related standards will be voluntarily submitted to the FERC upon ratification by the NAESB membership.

As previously stated in comments submitted to NIST and the SGIP, NAESB believes that any standards development or standards acceptance process should encompass four general characteristics to be successful:

**Transparency.** Transparency in decision making is a key factor in garnering support. Transparency includes both the identification of the decision makers and how decisions were made. Transparency applies to standards development, standards selection and it also applies to the development of the plans and strategies. While providing adequate transparency can take time, it has been our experience that it expedites industry acceptance and support.

**Inclusion.** Stakeholders should be given the opportunity to take part in the decision making and standards development. Reaching out to trade associations and industry organizations to encourage their stakeholders to participate has proven essential in assuring that diverse groups are made aware of the planned standards development activities. Trade associations, industry organizations, regional groups and the industry itself play key role in soliciting a broad and regionally diverse group of participants. Regulatory staff, both state and federal should be encouraged to participate to ensure that directions taken support their policies.

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<sup>5</sup> Summary of NAESB Standards Development Process: [http://www.naesb.org/misc/naesb\\_process.doc](http://www.naesb.org/misc/naesb_process.doc)



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Balance. Decision making, particularly for standards that have broad applicability, should not only include the stakeholders who will be responsible for modifying their business processes to implement the standards, but also the service providers. The market interests should be balanced and there are a number of ways in which this balance can be achieved. Balance of geographic areas can be important when the decisions made or the standards developed are not specific to a given region, but rather are intended to apply more broadly. Equally important, those entities either politically accountable for the success or operationally accountable for the success of the standards and related decisions must have a strong voice in the overall planning and strategic sessions, and also in the identification of standards needed, the development of the standards and the ultimate adoption of the standards.

Documented and Accessible Process. Participants should have access to the process by which the standards are developed and also the process by which related decisions are reached. Importantly, an appeal process should be defined not only as it pertains to endorsement of standards, but also to the standards development process itself.

We appreciate the opportunity to provide these comments and to support the Commission as it determines the future of the smart grid interoperability standards.

Respectfully submitted,

*Jonathan Booe*

Jonathan Booe  
Deputy Director, North American Energy Standard Board



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February 7, 2011  
comments electrically submitted<sup>1</sup>

Dr. Patrick Gallagher  
Director, National Institute of Standards and Technology  
Co-Chair, National Science and Technology Council's Sub-Committee on Technology  
100 Bureau Drive, Stop 1000  
Gaithersburg, MD 20899-1000

RE: Request For Information on Effectiveness of Federal Agency Participation in Standardization in Select Technology Sectors for National Science and Technology Council's Sub-Committee on Standardization, [Docket Number 0909100442-0563-02]

Dear Dr. Gallagher,

NAESB appreciates the opportunity to offer these comments on the "Effectiveness of Federal Agency Participation in Standardization in Select Technology Sectors." We offer the following general comments for consideration provided in Attachment A. In addition, we direct you to the 2006 Energy Law Journal article "North American Energy Standards Board: Legal and Administrative Underpinnings of a Consensus Based Organization"<sup>2</sup>, authored by the NAESB General Counsel, William P. Boswell and former staff attorney, James P. Cargas.

We are grateful for the opportunity to contribute and are available to answer any questions or provide any additional information necessary to support the efforts of the National Institute of Standards and Technology and the National Science and Technology Council's Sub-Committee on Standardization in this endeavor.

With Best Regards,

*Jonathan Booe*

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Jonathan Booe, Deputy Director, NAESB

cc: Rae McQuade, President, NAESB  
Valerie Crockett, Chairman of the NAESB Board of Directors  
William P. Boswell, NAESB General Counsel  
Michael D. Desselle, Wholesale Electric Quadrant Vice Chairman of the NAESB Board of Directors  
Ralph Cleveland, Retail Gas Quadrant Vice Chairman of the NAESB Board of Directors  
J. Cade Burks, Retail Electric Quadrant Vice Chairman of the NAESB Board of Directors

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<sup>1</sup> The Federal Register notes that comments will be accepted by email to [SOS\\_RFI@nist.gov](mailto:SOS_RFI@nist.gov) only.

<sup>2</sup> William P. Boswell & James P. Cargas, *North American Energy Standards Board: Legal and Administrative Underpinnings of a Consensus Based Organization*, 27 Energy L. J. 47 (2006).



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### **Comments of the North American Energy Standards Board**

#### ***Standards-Setting Processes, Reasons for Participation and the Benefits of Standardization***

The North American Energy Standards Board (NAESB) is an American National Standards Institute (ANSI) accredited, non-profit 501(c)(6) corporation formed with the support of the Department of Energy (DoE) for the purpose of developing voluntary standards and model business practices designed to promote more competitive and efficient natural gas and electric services that streamline the transactional processes of the natural gas and electric industries. NAESB and its predecessor organization, the Gas Industry Standards Board (GISB), have developed voluntary consensus based standards in these industries for nearly twenty years with the support of the Federal Energy Regulatory Commission (FERC), the DoE, the North American Electric Reliability Corporation (NERC), the National Association of Regulatory Utility Commissioners (NARUC) and state utility commissions among other governmental and industry agencies. The relationships formed between NAESB and these agencies have been fundamental to the organization's achievements and serve as an example of successful public-private partnerships.

NAESB maintains a membership of over three hundred corporate members, divided into four quadrants, representing the wholesale gas, wholesale electric, retail gas and retail electric markets and has more than two-thousand participants active in standards development. These quadrants are further divided into segments representing the various market participants of the respective quadrant. The purpose of this structure is to ensure that all entities participating in the market are represented and have an equal opportunity to participate and make decisions in the NAESB process. While NAESB is primarily funded through its corporate memberships, the NAESB standards development process allows for all interested parties to participate and vote in the standards development activities regardless of membership status. This practice is vital to ensure that all NAESB standards have been properly vetted by the industry prior to adoption.

All NAESB standards developed for the wholesale gas and wholesale electric markets are filed with the FERC and all NAESB standards developed for the retail gas and retail electric markets are submitted to NARUC and made available to all state commissions. With few exceptions, all NAESB wholesale market standards have been adopted by the FERC and mandated as federal regulation for federally jurisdictional entities through the FERC process of incorporation by reference. Many of the NAESB retail market standards have also been adopted by various state commissions and enforced in a similar manner. Through the NAESB process, all entities that may be affected by a standard have an opportunity to voice their opinions and vote through a balanced process, which ensures that no one segment of the market is dominated by the other. Participation in the NAESB process provides entities the opportunity to have a seat at the table for the development of standards that may be made mandatory and require implementation by that entity.

As previously noted, NAESB is an ANSI accredited standards development organization. This requires that the NAESB process adhere to the ANSI principles of openness, balance of interests, due process, consensus and the availability of an appeals process. Every step of the NAESB process is fully documented through agendas, work papers, minutes and transcripts in order to provide complete transparency of actions taken and decisions made in the standards development process. This is of the utmost importance for regulators who evaluate the NAESB standards in compliance with the National Technology Transfer and Advancement Act (NTTAA) and the Office of Management and Budget Circular A-119. A detailed description of the NAESB process in relation to regulatory



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activity can be found in the 2006 Energy Law Journal article “North American Energy Standards Board: Legal and Administrative Underpinnings of a Consensus Based Organization.”<sup>1</sup> This Energy Law Journal was drafted by the NAESB General Counsel and a former NAESB staff attorney and describes in detail the history of the organization and the process by which voluntary standards are adopted by federal agencies.

The standards setting activities of each NAESB quadrant are determined by the NAESB Board of Directors and managed through the NAESB annual plans. The NAESB governance structure provides a separation of powers between the Board of Directors, responsible for the strategic direction of the organization and management of the standards development process, and the Executive Committee, responsible for the standards development in fulfillment of the annual plans. This separation of powers ensures that the NAESB process is followed and not used to abate, delay or in anyway affect NAESB standards. Requests for standards development activity may be submitted in a number of ways and may come from a number of sources, including the FERC, state commissions, other government agencies, the North American Reliability Corporation (NERC) and NAESB members and non-members alike. To date, a large majority of the NAESB standards development activity has been initiated by the FERC for the wholesale market and by state commissions for the retail market.

#### ***Perspectives on Government’s Approach to Standards Activities***

Since its inception, NAESB has maintained a very close relationship with FERC, NARUC, the DoE and NERC, along with other agencies. These relationships play a key role in the organization’s success and the continued support of the industry. NAESB staff and NAESB leadership meet frequently with the FERC and state commissioners, as well as the leadership at the DoE, NARUC and NERC to ensure that these agencies are aware of the NAESB standards development activities and that the activities meet the needs of policy makers.

As previously noted, a large portion of the NAESB standards development activity is initiated at the request of government and other energy industry agencies. Specifically, FERC has directed participants in the wholesale gas and electric markets to utilize the NAESB process to develop standards in response to policy decisions adopted by the Commission through their rulemaking process. Such action ensures that those subject to federal regulation have an opportunity to shape the implementation of standards in a cost effective, efficient manner that best serves the industry as a whole. This process also reduces the burden on the FERC by allowing the industry to resolve issues and formulate solutions to issues that would otherwise be presented, and potentially adjudicated, through the rulemaking process.

While the FERC and other agencies may submit standards requests and direct industry participants to implement policy through the NAESB process, it is important to recognize NAESB’s position as an independent consensus based organization. All standards developed through the NAESB process are voluntary and are industry driven. NAESB does not mandate the use of its standards to its members, nor does it monitor for compliance, set penalties for non-compliance or determine performance measures by which to define compliance. NAESB

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<sup>1</sup> William P. Boswell & James P. Cargas, *North American Energy Standards Board: Legal and Administrative Underpinnings of a Consensus Based Organization*, 27 Energy L. J. 47 (2006).



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standards are only made mandatory through the actions of regulators. The organization is also prohibited from advocating the adoption of its standards by regulators and does not adopt standards that direct policy decisions unless previously approved by the Board of Directors.

In most cases, FERC's participation in the NAESB standards development process is limited to providing clarity or guidance on policy issues when necessary. This non-binding guidance is typically provided by FERC staff at the request of NAESB when a policy issue has been identified. However, FERC staff and NAESB did act jointly to help develop what we believe to be a unique electronic case filing system. Because of industry objections to an internally developed prototype FERC system, FERC asked NAESB to collaborate in the development of standards for a filing system that would be acceptable to industry but would provide the functionality needed by FERC. Unlike typical court or administrative agency electronic filing systems in which the entirety of a document must be filed, the NAESB/FERC system utilizes an XML data structure that allows affected entities to file individual tariff sections that FERC can input into a database used to reassemble the entirety of a pipeline or utility's tariff.

The FERC and other regulatory bodies also may affect the standards development timeline when an area of standards development has been identified as time sensitive or high priority. On average the lifecycle of the NAESB standards development process is ten to twelve months from request to fully vetted standard. However; when the need for a standard is made clear through a well defined policy statement by the regulatory body and is accompanied by strong industry executive support, the standards development timeline can be reduced to as little as four to five months.

### ***Issues Considered During the Standards Setting Process***

While NAESB standards are developed to address the needs of the North American markets, including Canada and Mexico, some NAESB standards have been reviewed and adopted by other international regulatory bodies. Indeed, NAESB has participated in international standards development for the European Union and the International Gas Union. We have also developed standards in conjunction with other groups, thus developing complementary work products. This joint development has occurred most notably with NERC.

All NAESB standards are copyright protected but made freely available to FERC, NARUC, requesting state commissions and other interested parties as determined on a case by case basis. The standards are freely available to all NAESB members and are available for purchase at a nominal cost to all non-members. All standards are also available for a limited evaluative period at the request of interested parties at no cost. The FERC has stated on many occasions, most recently in FERC Order 676-E<sup>1</sup>, that the NAESB standards are reasonably available to the public in compliance with 5 U.S.C. 522(a).

NAESB has developed over one-thousand standards that have been adopted and mandated by regulatory bodies since incorporation. In that time, NAESB has not faced a challenge nor identified an issue concerning its

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<sup>1</sup> Standards for Business Practices and Communication Protocols for Public Utilities, Order No. 676-E, FERC Stats. & Regs. ¶ 31,299 (2009).



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intellectual property right policy. The NAESB policy requires that all contributions of the participants in the standards development process are granted with a perpetual, irrevocable, non-exclusive, royalty-free, worldwide license under any intellectual property interest. The NAESB copyright policy and intellectual property right policy may be found through the following hyperlink: <http://www.naesb.org/copyright.asp>.

#### ***Adequacy of Resources***

NAESB is a completely voluntary, industry driven organization. While the NAESB staff provides the legal and administrative support of the standards development activities, the membership and the industry at large are responsible for the development of NAESB standards. The significance of the request for standards development is therefore determined by the industry, which must dedicate resources and provide subject matter volunteers to participate in and complete the standards development process. Without membership support and participation, timely and effective standards development activities to meet North America's future energy requirements to enhance competitive market may not be possible. This membership driven process for development of standards ensures that the NAESB standards developed are recognized as helpful to the market; otherwise, the industry would not provide the needed volunteers to complete the standards.

#### ***Concluding Remarks***

As previously noted, the key to NAESB's success and the benefits the organization provides to the industry as a whole are largely dependent on two factors: (1) the excellent working history NAESB has developed with the FERC, the DoE, the state commissions and NERC, and (2) the support of the industry through its volunteers. These relationships and the willingness of the industry to participate and provide subject matter experts has fostered a private-public partnership that allows the industry to participate in the implementation of regulatory policy in a way that is efficient, cost effective and, in the end, in the public's best interest.



## North American Energy Standards Board

801 Travis, Suite 1675, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

November 30, 2010

**TO:** NAESB Board of Directors and Executive Committee  
**FROM:** Rae McQuade  
**RE:** Schedule of 2011 Meetings

Below is the schedule of 2011 meetings for the Board of Directors, Advisory Council and Executive Committee.

### 2011 Calendar of Board and Advisory Council Meetings

Date	Meeting	Location
February 12	Advisory Council Meeting	Washington D.C. – Renaissance Washington Hotel (in conjunction with NARUC Winter Meeting)
March 24	Board of Directors	Houston Marriott North at Greenspoint, 255 North Sam Houston Parkway East, Houston, Tx 77060 Phone: 281-875-4000 8 miles from IAH Intercontinental Airport, airport shuttle provided every 30 minutes
June 23	Board of Directors	Houston Marriott North at Greenspoint
September 22	Board of Directors, Meeting of the Members and Strategic Session	Four Seasons Hotel (Downtown) 1300 Lamar Street Houston, TX 77010 Phone: 713-652-6241 21.5 miles from IAH Intercontinental Airport, 18 miles from William P. Hobby Airport
December 8	Board of Directors	Four Seasons Hotel (Downtown)

### 2011 Calendar of Executive Committee Meetings

Date	Meeting	Location
February 1-3	Executive Committee (WEQ, Retail, WGQ)	Host Salt River Project, Phoenix, AZ
February 24-25	Leadership Seminar (WEQ, Retail, WGQ)	Mirage Hotel, Las Vegas
May 3-5	Executive Committee (WEQ, Retail, WGQ)	Host Aces Power, Carmel, IN
August 16-18	Executive Committee (WEQ, Retail, WGQ)	Host El Paso Western Pipeline, Colorado Springs, CO
October 25-27	Executive Committee (WEQ, Retail, WGQ)	Host Dominion, Richmond, VA

#### Notes:

1. The Retail Executive Committee meetings will be held by conference call and web cast unless otherwise determined by the retail leadership.
2. For each of the Board meetings, a dinner will be held the night before at the Petroleum Club in the Exxon Building, 800 Bell Street, 43<sup>rd</sup> Floor.
3. Board members are encouraged to attend the leadership seminar as well.