



# North American Energy Standards Board

1301 Fannin, Suite 2350, 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 BOARD OF DIRECTORS MEETING -- Thursday, December 18 – 9:00 a.m. to 1:00 pm Central TABLE OF CONTENTS

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	c) WEQ and Retail: DSM/EE efforts <a href="http://www.naesb.org/pdf4/update121008w5.doc">http://www.naesb.org/pdf4/update121008w5.doc</a> , (WEQ Recommendation) 112 <a href="http://www.naesb.org/pdf4/update121008w6.ppt">http://www.naesb.org/pdf4/update121008w6.ppt</a> (Recommendation and Retail Plan) 145	
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Time	Description of Agenda Item	Page
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<b>1:00 pm</b>	<b>10. Adjourn</b>	

*Attire – Business Casual -- Working buffet lunch will be provided.*



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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 2008 BOARD TERMS – Wholesale Gas Quadrant

<b>PRODUCERS SEGMENT</b>		<b>TERM END:</b>
Jay Ellzey	Vice President Commercial Operations, Chevron Natural Gas	12-31-2008
V A C A N C Y		12-31-2009
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	12-31-2009
Marty Patterson	Vice President – Commercial Operations, Foothills Energy Ventures LLC	12-31-2008
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	12-31-2009
<b>PIPELINE SEGMENT</b>		
Cathie Legge	Manager – Customer Service, Alliance Pipeline LP	12-31-2008
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	12-31-2008
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	12-31-2008
Anne Bomar	Vice President, Dominion	12-31-2009
Richard Kruse	Senior Vice President, Spectra Energy Transmission	12-31-2009
<b>LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	12-31-2008
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	12-31-2008
Carlos Thillet	Manager, Gas Supply & Transportation, PECO Energy Co.	12-31-2009
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	12-31-2009
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	12-31-2009
<b>END USERS SEGMENT</b>		
Valerie Crockett	Senior Energy & Policy Specialist, Tennessee Valley Authority	12-31-2008
Timothy W. Gerrish	Director of Origination-Energy Marketing and Trading, Florida Power & Light	12-31-2008
Tina Burnett	Natural Gas Resources Administrator, The Boeing Co.	12-31-2008
Lori-Lynn C. Pennock	Senior Fuel Supply Analyst, Salt River Project	12-31-2009
Jim Templeton	Principal, Comprehensive Energy Services	12-31-2009
<b>SERVICES SEGMENT</b>		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	12-31-2008
Rusty Braziel	Managing Director, Bentek Energy, LLC	12-31-2008
Jim Buccigross	Vice President Energy Industry Practice, 8760 Inc.	12-31-2009
Bill Hebenstreit	Marketing Manager, Goodrich Petroleum Company, LLC	12-31-2009
V A C A N C Y		12-31-2008



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2008 BOARD TERMS – Retail Electric Quadrant

<b>SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
Robert K. Koger	President, North Carolina Advanced Energy Corporation	12-31-2009
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2008
<b>DISTRIBUTORS SEGMENT</b>		
David Koogler	Director – State Regulation, Dominion Virginia Power (SERC NERC Region)	12-31-2009
Dennis Derricks	Director Regulatory Policy and Analysis, Wisconsin Public Service Corporation	12-31-2009
Ruth Kiselewich	Director, Demand Side Management Programs, Baltimore Gas & Electric Company (MAAC NERC Region)	12-31-2008
Debbie McKeever	Market Advocate, Oncor	12-31-2008
<b>END USERS SEGMENT</b>		
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	12-31-2009
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2008
<b>SERVICE PROVIDERS SEGMENT</b>		
Jim Minneman	Controller, PPL Solutions LLC	12-31-2009
David Pickles	Vice President, ICF International	12-31-2009
J Cade Burks	President, EC Power	12-31-2008
V A C A N C Y		12-31-2008



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TRANSMISSION SEGMENT		TERM END:	SUBSEGMENT:
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	12-31-2009	Muni/Coop
Chuck Feagans	Senior Manager, Reliability Policy, Tennessee Valley Authority	12-31-2008	Fed/State/Prov.
John E. Lucas	Director - Transmission Policy and Services, Southern Company Transmission	12-31-2008	IOU
Jerry Smith	Alliance/Partnership Manager, Arizona Public Service Co.	12-31-2009	IOU
Jill Horswell	Director Transmission, Southern California Edison	12-31-2008	at large
V A C A N C Y		12-31-2009	at large
Michelle Mizumori	Market Interface Manager, Western Electricity Coordinating Council (WECC)	12-31-2009	At-Large
GENERATION SEGMENT			
Curtis Winterfeld	Vice President of Power Marketing, Deseret Generation & Transmission Cooperative	12-31-2009	Muni/Coop
Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	12-31-2008	Fed/State/Prov.
Lou Oberski	Director – Electric Market Policy, Dominion Resources Services, Inc.	12-31-2008	IOU
Charles W. Severance	Manager – Supply & Wholesale Services, Wisconsin Public Service Corporation	12-31-2009	IOU
Ron Mucci	Consultant, Representing Entegra Power Group LLC	12-31-2009	Merchant
Gloria Godson	Vice President Energy Policy, Conectiv Energy Supply, Inc.	12-31-2008	Merchant
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	12-31-2009	at large
MARKETERS/BROKERS SEGMENT			
Roy True	Manager of Regulatory and Markets Development, ACES Power Marketing	12-31-2008	Muni/Coop
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	12-31-2009	Fed/State/Prov.
V A C A N C Y		12-31-2008	Not IOU Affiliated
Jack Cashin	Senior Manager of Policy, Electric Power Supply Association (EPSA)	12-31-2009	at large
Sam Forrest	Vice President, Energy Marketing and Trading, Florida Power & Light	12-31-2008	IOU
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	12-31-2009	IOU
Rick Smead	Director, Navigant Consulting, Inc.	12-31-2009	At-Large



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<b>DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>		<b>TERM END:</b>	<b>SUBSEGMENT:</b>
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	12-31-2008	Muni/Coop
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	12-31-2009	Muni/Coop
V A C A N C Y		12-31-2008	IOU
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	12-31-2009	IOU
Thomas Burgess	Director – FERC Compliance, FirstEnergy Service Company	12-31-2009	at large
Joe Hartsoe	Managing Director – Federal Policy, American Electric Power Service Corp.	12-31-2008	at large
Bruce Ellsworth	New York State Reliability Council	12-31-2009	At-Large
<b>END USERS SEGMENT</b>			
V A C A N C Y		12-31-2009	at large
V A C A N C Y		12-31-2008	at large
Thomas G. Dvorsky	Director of the Office of Electricity, Gas, and Water at the New York State Department of Public Service	12-31-2008	Regulator
V A C A N C Y		12-31-2009	at large
V A C A N C Y		12-31-2008	at large
V A C A N C Y		12-31-2009	at large
Michehl Gent	Open Access Technology International, Inc.	12-31-2009	At-Large
<b>INDEPENDENT GRID OPERATORS/PLANNERS</b>			
Michael Desselle	Vice President Process Integrity, Southwest Power Pool	12-31-2008	
Kent Saathoff	Vice President of System Operations, ERCOT	12-31-2008	
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.	12-31-2008	
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)	12-31-2008	
Andy Ott	Senior Vice President Marketing, PJM Interconnection	12-31-2009	
Bill Phillips	Vice President Standards Compliance & Strategy, Midwest ISO (MISO)	12-31-2009	
Don Tench	Director Planning & Assessments, Independent Electricity System Operator (IESO)	12-31-2009	

The subsegments noted in the above roster are:

At-Large -- Regional reliability organizations, regional transmission organizations, consultants, service companies, information services and software companies, law firms, and other such organizations that are not specifically encompassed in the other subsegments for a given segment.

Competitive Retailer (not available to MUNI/COOP, IOU or IOU affiliates)

End Use (also in another segment)

Federal/State/Provincial

IOU – Investor Owned Utility or IOU Affiliated

ITC – Independent Transmission Company



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Large Industrials (not in other segments)

Merchant

Muni/Coop – Municipals, Cooperatives

Not IOU Affiliated

OTHER -- (not available to MUNI/COOP, IOU or IOU affiliates)

Regulator

Residential/Commercial

End Use (Self Generation)

The number of seats within each segment that are allotted to sub-segments are controlled through the WEQ Procedures.



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2008 BOARD TERMS – Retail Gas Quadrant

<b>SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
VACANCY		12-31-2008
VACANCY		12-31-2008
VACANCY		12-31-2008
VACANCY		12-31-2009
VACANCY		12-31-2009
VACANCY		12-31-2009
<b>DISTRIBUTORS SEGMENT</b>		
Alonzo Weaver	Vice President of Engineering and Operations, Memphis Light, Gas & Water Division (APGA)	12-31-2009
VACANCY		12-31-2009
VACANCY		12-31-2008
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.	12-31-2009
VACANCY		12-31-2009
VACANCY		12-31-2008
<b>END USERS SEGMENT</b>		
VACANCY		12-31-2008
VACANCY		12-31-2008
VACANCY		12-31-2008
VACANCY		12-31-2009
VACANCY		12-31-2009
VACANCY		12-31-2009
<b>SERVICE PROVIDERS SEGMENT</b>		
Leigh Spangler	President, Latitude Technologies Inc.	12-31-2008
VACANCY		12-31-2008
Dave Darnell	President & CEO, Systrends USA	12-31-2009
Greg Lander	President, Capacity Center	12-31-2009
VACANCY		12-31-2009
VACANCY		12-31-2008



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Via email and posting  
 December 5, 2008

**TO:** NAESB Board of Directors, Executive Committee (EC) Members, EC Alternates, and Invited Guests  
**FROM:** Rae McQuade, NAESB President and COO  
**RE:** Agenda: NAESB Board Meeting and related NAESB Meetings – December 17-18, 2008

Dear Board members, EC Members, EC Alternates and Invited Guests,

As noted in other communications, we are pleased to announce the upcoming Board meeting on December 18, 2008 in Houston, Texas at the Hilton Houston North Hotel (formerly named the Wyndham Greenspoint Hotel). I hope you are able to travel to Houston for our upcoming Board meeting, related committee meetings and our Board dinner. For our Board meeting, not only is this the meeting where we approve our budget and 2009 annual plans, but we have a wonderful speaker slated for the December 17 dinner at the Petroleum Club – our dear friend, Emil Pena.

Several of you may already know Emil through his many achievements. His appointments to the U.S. Department of Energy in the Clinton Administration and his current role as executive director for Rice University's Energy and Environmental Systems Institute demonstrate his commitment to both public service and education. He has been a friend to NAESB and its predecessor GISB over the years, and his insights on our new administration, the impacts to the energy industry, and the related activities at Rice University should be enlightening and material for good dinner conversations. You can find Emil's biography at the following link: <http://www.media.rice.edu/media/NewsBot.asp?MODE=VIEW&ID=10278>.

The specifics of the meetings are:

Events:	Board of Directors Meeting and related NAESB meetings
Where:	Hilton Houston North Hotel, 12400 Greenspoint Drive, Houston, TX 77060, Phone: 281-875-2222 (excepting Board Reception and Dinner)
When:	December 17 Wholesale Electric Quadrant Leadership Meeting from 12:00 pm to 3:00 pm C, (a working lunch will be served at this meeting) (Salon 3)
	December 17 Retail Leadership Meeting from 3:00 pm to 5:00 pm C (Salon 12)
	December 17 Board Reception and Dinner - 6:00 pm reception and 7:00 pm dinner seating (held at the Petroleum Club with bus transportation provided from the Hilton Houston North Hotel)
	December 18 Resources Committee Meeting from 8:00 am to 9:00 am C (Salon 3)
	December 18 Board Meeting from 9:00 am to 1:00 pm C, (a buffet lunch will be served during the meeting) (Ballroom "Raphael" C)

As with all our meetings, these events are open to any interested party. For the meetings, conference calling will be available should you be unable to attend in person. Please contact Veronica Thomason ([vthomason@naesb.org](mailto:vthomason@naesb.org), 713-356-0060) for additional information on the meeting and conference calling information. **A room block at the Hilton Houston North Hotel with a NAESB negotiated rate of \$139.00 for a standard king or double, \$159.00 for an executive king, \$179.00 for a junior suite and \$199.00 for a parlor suite will be available until December 9 by contacting the hotel reservation line at 866-577-1154.** Board materials should be posted shortly.

We hope you will be able to make the leadership meetings and the dinner on the December 17, followed by the Resources Committee meeting and the Board meeting on December 18. If you haven't already RSVPed your intention to attend the Board dinner or Board of Directors meeting or any of the related meetings, or your intention to bring a guest or colleague to the dinner, please do so at your earliest convenience ([vthomason@naesb.org](mailto:vthomason@naesb.org), [naesb@naesb.org](mailto:naesb@naesb.org), 713-356-0060). We look forward to seeing you at the dinner on December 17 and our meeting on December 18 and at any of the related meetings noted above.

Best Regards,

*Rae McQuade*

Rae McQuade  
 NAESB President and COO



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### NAESB BOARD OF DIRECTORS MEETING INCLUDING THE MEETING OF THE MEMBERS

Hilton Houston North Hotel, Houston, Texas  
 Thursday, December 18 – 9:00 a.m. to 1:00 pm Central

#### DRAFT AGENDA

- 8:00 a.m.**                    **Resources Committee Meeting**
- 8:30 a.m.**                    **Continental Breakfast**
- 9:00 a.m.**                    **1. Administration and Welcome**
- a) Antitrust Guidelines
  - b) Introduction of Board Members and Guests
- 2. Adoption of the Agenda and Minutes**
- a) Agenda Adoption
  - b) Adoption of Draft Minutes -- September 25, 2008
- 3. Membership and Financial Report**
- a) Membership Report
  - b) Financial Report for 2008 YTD
- 4. Presentation of 2009 Budget Proposal for Vote for Adoption**
- c) Budget Proposal for 2009
- 5. Reports from board committees**
- a) Resources
  - b) Retail Restructuring Considerations
  - c) Managing Committee
- 6. Updates on specific efforts:**
- a) WEQ: Order No. 890, Coordination with NERC, ATC deliverable deadlines, OASIS change progress, NAESB filing of Version 2 with FERC
  - b) WGQ: Update on capacity release price indexing technical implementation and progress report on FERC Order No. 712
  - c) WEQ and Retail: DSM/EE efforts
  - d) Retail: Progress on next publication
- 7. Executive Committee Reports**
- a) Review of WGQ Annual Plan and possible vote on revisions
  - b) Review of Retail Annual Plan and possible vote on revisions
  - c) Review of WEQ Annual Plan and possible vote on revisions
  - d) 2009 Plan Development
- 8. Plan for March 2009 Board Meeting**
- 9. Old and New Business**
- a) Liaisons with external groups: FERC, NARUC, NERC, Other Groups
  - b) Board Meeting Schedule for 2009
- 1:00 p.m.**                    **10. Adjourn**
- Attire – Business Casual -- Working buffet lunch will be provided.*



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October 10, 2008

**TO:** NAESB Board Members, Posting for Interested Industry Participants  
**FROM:** Cory Galik, Meeting Administration/Project Manager  
**RE:** Draft Minutes from the NAESB Board of Directors Meeting – September 25, 2008

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**NORTH AMERICAN ENERGY STANDARDS BOARD  
 NAESB BOARD OF DIRECTORS MEETING  
 September 25, 2008 – Hilton Houston North Hotel - Houston, TX  
 Draft Minutes**

## 1. Administration and Welcome

Mr. Desselle welcomed the Board members and guests in the room and on the phone. Mr. Boswell read the antitrust guidelines. Ms. McQuade read the roster of the Board members and quorum was established.

The Board members reviewed the draft agenda. Mr. Lucas moved, seconded by Mr. Minneman, to adopt the agenda as drafted. The motion passed without objection. The Board members reviewed the June 26, 2008 Board meeting minutes. Ms. Crockett moved, seconded by Mr. Chapman, to adopt the minutes as drafted. The motion passed without objection. The final minutes are posted on the NAESB Board page: <http://naesb.org/pdf3/bd062608fm.doc>.

## 2. Membership and Financial Report

**Membership Report:** Ms. McQuade reviewed the [membership report](#). The [membership profile](#) reflects a 13 member loss from year end 2007 to present day. In many cases, the losses can be attributed to memberships gained to address single topics that are now complete, and members who have chosen to have memberships in other segments and quadrants lapse. While there have been more resignations than anticipated, the resource group was actively working to attract new membership. The release of Version 002 at the end of the month was expected to attract new membership.

**Financial Report for 2008:** Ms. McQuade provided a review of the [financial report](#). The organization has remained consistent with the account given at the June board meeting. There has not been a shift in expenses but rather a shift in revenue, which is directly related to the loss of membership. Several contracts have been re-negotiated and those savings will be reflected at the next board meeting, although it will not improve expenses to level needed to address the loss in revenues attributed to lost membership.

## 3. Reports from Board Committees

**Revenue Task Force:** Mr. Smead provided a review of the [recommended actions](#) and [draft resolutions](#) up for consideration and vote. While the NAESB staff remains aggressive in controlling costs, the demands placed on the organization have escalated. The revenue subcommittee met twice to have extensive discussions regarding the financial health of the organization. The subcommittee agreed on a three-prong approach: 1) change in dues for members; 2) an increase in membership and 3) an increase in costs for access to standards and contracts for non-members. It was noted that NAESB dues have not increased since its formation in 1996. The change included an increase in membership dues from \$5,000 to \$6,500 and an increase in non-member access fees from \$300 to \$900. It is hoped that the increase in non-member fees will make membership more attractive to those seeking access to NAESB standards and contracts. Also, to increase revenues, there will be an increased emphasis on training classes. To protect revenue streams, the enforcement of the copyright protection of NAESB work products will also be emphasized. The Revenue Task Force considered the impact of these changes on smaller members, budget cycles and those with multiple memberships, all of which may have a negative impact on the revenue that NAESB may realize when these changes are implemented.



## North American Energy Standards Board

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In addition to discussing ways to generate revenue, the task force also discussed ways to cut costs. Board books will no longer be printed and all information for the board meetings will be made available online. Printed materials are also no longer provided at Executive Committee (EC) meetings.

Several points were made during the discussion on increasing the dues – all of which can be used as talking points during discussions. First, several board members noted the tremendous workload of the organization. The increase in dues is required to meet the organization’s current and planned workload. Second, for informing the membership and others of these changes, several tools are available to educate on NAESB development projects – the newsletter, the monthly update calls, discussions and updates with groups and other forms of communications. Third, communicating the revenue changes to members will be accomplished through a letter included in each member’s invoice explaining reasons behind the dues increase. Any questions can be directed to NAESB staff. Finally, NAESB’s budget represents a small percent of the overall cost of providing the NAESB work products and services that make up the organization’s accomplishments; i.e. the work products of the organization are provided through the efforts of NAESB volunteers.

Ms. Crockett moved that whereas the Board Revenue Ad Hoc Group, through its review of the 2008 balance sheet and in consideration of the negative retained earnings, consideration of membership and pricing of work products, unanimously supports a dues increase from \$5000 to \$6500; and whereas, the Managing Committee unanimously supports the recommendation of the Revenues Task Force; therefore, be it resolved, the membership dues for 2009 will be increased to \$6500. This increase will take effect January 1, 2009. Mr. Ellsworth seconded the motion.

In discussion, Mr. Brown asked if the NAESB staff had leeway to work with members who may experience a challenge in paying the full amount on a case-by-case basis. Mr. Desselle said that situation had been discussed and the ultimate decision was that, while the amount of the dues cannot be negotiated, payment plans would be available if necessary. Mr. Smead noted that the organization had a target revenue increase of \$600,000—\$450,000 from membership dues and \$150,000 from new members and non-member fees, all of which would not be fully realized until 2010, since much of the membership fees in 2009 will be comprised of dues set and paid in 2008 at the \$5000 level and carrying over into 2009.

No additional dues increases are planned for 2010. The task force will work with the office in monitoring the revenue streams and if additional adjustments re necessary, they will so inform the Board. It would be possible to lower the rate if there is a significant enough increase in membership. NAESB staff has the authority to increase the fees for non-member access to work products, which was not included in the board vote but is intended to be implemented this year. The non-member fee increase will go into effect with the release of Version 2.0 of the WEQ standards. To reduce costs further, standards will no longer be available in a printed format; they will only be made available on CD. Ms. McQuade noted that at a previous board meeting, the board passed a resolution that non-members who are affiliated with a member could purchase standards at the membership rate if the member approved; that will not change. The non-member organization should contact the member in order to get the reduce rate of \$150 rather than \$900.

The motion passed with one abstention and no opposition.

Parliamentary Committee: Mr. Desselle provided the Parliamentary Committee update. The issue of segment blocks has been discussed at the last several board meetings. A task force put together a recommendation that was shared at the June board meeting and the decision was made to have the Parliamentary Committee address the recommendation. The Parliamentary Committee has met twice to review the recommendation related to the segment blocks.

The redlined certificate was addressed first. It is the recommendation of the committee that an under-populated segment cannot exercise a segment block. To clarify the language used in the certificate related to segment blocks, Mr. Boswell stated the following: “The unanimous intent of the Parliamentary Committee members was to assure that non-fully populated segments cannot exercise a segment block. While 67% of the total Quadrant at the EC is required to pass a standard, the 40% rule will apply in the future only to the fully populated segments. Thus, if there are 3 fully populated segments and 2 non-fully populated segments, the 2 non-fully populated segments are



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disregarded for that specific provision of the voting rules. In other words, the votes of non-fully populated segment members count towards the overall 67% threshold for passage but not otherwise, obviating the segment block in that specific and limited circumstance.”

In preparation to make a motion to amend the certificate, it was reviewed that in order to amend the bylaws, the certificate must first be amended to allow the board to vote on the issue. Mr. Desselle moved, seconded by Mr. Hartsoe, that whereas, the Board Parliamentary Committee unanimously supports proposed changes to the NAESB Certificate to address situations where segments of the Board of Directors or the EC are not fully populated; and whereas, the Managing Committee unanimously supports the recommendation of the Board Parliamentary Committee; therefore, be it resolved, the amendments to the NAESB Certificate of Incorporation be adopted by the Board of Directors, and the NAESB office is directed to forward the amendments to the NAESB membership for ratification. All present board members voted in support of the motion. A notational ballot will be sent out to the absent Board members to meet the voting thresholds of 75% support of each quadrant as well as 40% of each segment within each quadrant.

In anticipation of approval of the certificate, the [changes to the bylaws](#) were discussed. Mr. Novak had four questions regarding the changes to the bylaws.

- In voting at the EC level, the question arose whether or not a segment would be fully populated if there were five people capable of voting, including alternates. Mr. Boswell responded that the intent is that an alternate can always vote if a principal is absent, so an alternate would count towards a fully populated segment.
- Mr. Novak’s second question involved the situation in which there were five named EC members but only four were present for a vote and no alternate was available. Would that be considered a fully populated segment? Mr. Boswell responded that segment would still be considered fully populated. As long as five people are able to fill those seats, it does not matter if they are present for the vote.
- Mr. Novak’s third question addressed the situation in which there are four named EC members, one vacancy and no alternates. In that situation, would the segment be allowed to segment block? Ms. McQuade stated that the segment he described would not be allowed to utilize a segment block. Mr. Boswell noted that the intent of this change was to encourage segments to be fully populated and there are consequences for not being fully populated.
- Mr. Novak’s fourth question involved the situation in which there are four named EC members present for a vote and an alternate, but the alternate is not available. Can the segment request that a notational ballot be sent to the alternate and would that be considered fully populated? Ms. McQuade answered that a fully populated segment is not based on the number of people in the room that are eligible to vote when a vote is called. Rather, “fully populated” addresses the number of seats to be filled for a given segment and if they are filled.

Ms. Van Pelt noted that she listened in on both Parliamentary Committee meetings and asked for clarification on one issue. If a segment has four named EC members and no alternates, but there are other members attending who could vote in that segment if they were alternates, would that count towards fully populated? Mr. Boswell answered that fully populated has nothing to do with membership levels, but rather it has to do with the full number of EC seats being filled by members, alternates or a combination of the two. No other members in the audience count towards a segment being fully populated if the audience members were not elected to perform that duty. Mr. Davis asked if an alternate could fill in for a vacant seat or a missing EC member. Mr. Boswell said that was permissible as long as it was authorized under that segment. The alternate would have to be designated under quadrant procedures. The rules regarding designating alternates are not altered as a result of these changes.

Mr. Novak noted that the board does not have the safety of alternates and suggested changing the requirements of fully populated to 80% at the board level only. Mr. Boswell explained the rationale for incorporating the segment block language in both the EC and the board. It was noted that a segment block is unlikely at the board level and



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has not occurred in the history of NAESB. Mr. Desselle suggested striking any language related to board segment blocks if the original intent was to only address the EC. Ms. McQuade noted that the board and EC used paralleled language in an effort to simplify the organization's voting procedures. The concern at the board level was not necessarily a segment block, but having a segment with low participation cause a vote to fail by not returning a vote. Mr. Novak noted that the board and the EC were not parallel because the EC has the security of alternates and focuses on standards development while the board focuses on governance issues for cases where super-majority votes are to be taken.

Mr. Desselle and Mr. Hartsoe both supported an amendment to their motion that "fully populated" at the EC level would mean 100% participation and 80% participation at the board level. The bylaws were [modified](#) accordingly. All present board members voted in support of the motion. . A notational ballot will be sent out to the absent Board members to meet the voting thresholds of 75% support of each quadrant as well as 40% of each segment within each quadrant.

[NAESB Operating Procedures](#) were addressed by Ms. McQuade to explain the changes made to comport with the changes made to the bylaws. A motion was made by Mr. Novak and seconded by Mr. Hossain whereas, the Board Parliamentary Committee reviewed changes to the NAESB Operating Practices for consistency with the proposed changes to the certificate and bylaws, and changes to support current practices (creation of the IGO segment, retirement of the memorandum of understanding that created the Joint Interface Committee), and whereas, the Managing Committee unanimously supports the recommendation of the Board Parliamentary Committee, therefore, be it resolved, the amendments to the NAESB Operating Practices are adopted by the Board of Directors. The motion passed a simple majority vote.

The board task force drafted a [policy statement](#) on efficiency for standard blocks and drafted language related to efficient standards development. The Parliamentary Committee considered the policy and voted unanimously to approve it. Ms. Crockett moved, seconded by Mr. Chapman that whereas, the Parliamentary Committee considered the draft policy on efficient standards development as remanded by the Board of Directors on June 26, 2008, and whereas, the Parliamentary Committee amended the draft policy and unanimously supports the amended draft policy, and whereas, the Managing Committee unanimously supports the recommendation of the Parliamentary Committee, therefore, be it resolved, the NAESB Policy on Efficient Standards Development as amended by the Parliamentary Committee is adopted by the Board of Directors. The motion passed a simple majority vote.

[Resources Committee](#): Mr. Brown reviewed the progress of the [Resources Committee](#). He detailed the number of memberships gained and lost. He noted that there have been many new participants involved in the DSM-EE meetings, which is an opportunity to gain members. It is the intent of the committee to solicit new membership during the October 3 DSM-EE meeting. He encouraged members to endorse the value of NAESB membership. NAESB membership will also be encouraged at the upcoming NARUC meetings and Mr. Brown encouraged any members attending those meetings to encourage membership to non-members. The committee will set up meetings to discuss NAESB with various trade associations. They will also work to ensure that legal departments of companies are aware that if they are using NAESB contracts or other such work products that are copyrighted; they should purchase those copies from NAESB. He also encouraged members to keep their company's leadership informed of NAESB activities and encouraged their participation in future NAESB meetings.

#### 4. Updates on specific efforts

[e-Tariff](#): On September 19, FERC issues its [final ruling on e-Tariff](#). NAESB will host [three classes](#) to provide an overview of the NAESB e-Tariff business practice standards on October 21 in Baltimore, Maryland, November 21 in Austin, Texas and January 12 in New Orleans, Louisiana.

[WEQ](#): Ms. York provided an update of the activities related to [FERC Order No. 890](#), coordination with NERC, ATC deliverable deadlines, OASIS change progress and NAESB filing Version 002 with FERC. Between the BPS and ESS/ITS and coordination meetings with NERC, the groups have met 17 days since the last board meeting. The EC also met 6 times including the August quarterly meeting to help the subcommittees get these standards vetted, approved by the EC and out for membership ratification. The EC also plans to meet an additional 4 times before



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their next quarterly meeting scheduled for November 4 in Richmond, Virginia, to move the final ATC-related standards to ratification.

NAESB staff filed the ATC-related and Conditional Firm standards with the FERC on August 29. In addition, a variety of other standards and/or modifications to existing standards were filed as [WEQ Version 002](#). The following seven ATC-related standards were contained in the filing:

- Conditional Firm product
- Modifications to WEQ-001 to support transparency reporting
- ATC/TTC narratives for OASIS postings
- Load forecast and actual load postings
- ATC Information Link for the OASIS home page (requires more NERC Coordination)
- Post-backs and Counter-flows - accounting practices (requires more NERC Coordination; NERC asked for Commission clarification on these in their own August 29th filing)
- ETC (Existing Transmission Commitments)

Other standards filed for FERC Order No. 890 not subject to the August deadline included:

- Group 1 OASIS standards - annotations for ATC and other elements
- OASIS Exemption for certain entities called Appendix C
- Group 2 - metrics for re-dispatch cost postings, re-bid of partial service, and pre-confirmation priority

The filing also contained additional business practices not related to FERC Order No. 890, including:

- e-Tariff standards
- an Interpretation of FERC Order No. 698
- Maintenance items: clean-up on Interconnection Time Monitor Standard
- Incorporation of demand resources into the definition of ancillary services.

An update to the filing will be made after September 30 to reflect the member ratification matrix for Conditional Firm, which is due September 25.

Also after September 30, NAESB will release the Version 002 publication. The next filing is planned for after November and will be known as Version 002-1 filing. It should include:

- Standards related to FERC Order No. 890 covering Capacity Benefit Margin, which will also require additional coordination with NERC. Last week's NERC vote on the reliability portion failed by only one-half of 1 percent. The team will be working to resolve issues and re-vote on the standard as soon as possible.
- ATC Information List

With this filing, NAESB will have met the February 2009 requirements as set by FERC for ATC-related information.

A subsequent related filing will be made for Version 002-2. It will include the following FERC Order No. 890 related standards that are not associated with any FERC specified deadlines:

- Group 3 - Network Integrated Transmission Service
- Group 4 - Pre-exemption and other related items



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- Group 5 - Coordination across multiple transmission systems
- Group 6 - Miscellaneous OASIS modifications if necessary
- Group 7 - Tagging of Conditional Firm

It will also include any other standards that have been approved.

The Business Practice Subcommittee continues to work on Annual Plan items and has met five times since the last board meeting. This week, the Business Practice Subcommittee voted out two recommendations for formal comment, covering revisions to WEQ-008 (TLR BP) and WEQ-006 (Time and Inadvertent Payback BP). The Joint Interchange Scheduling Working Group met three times since the last board meeting to work on changes to e-Tag Specifications 1.8, including changes to the new Conditional Firm product. The Demand Side Management/Energy Efficiency Subcommittee continues to meet jointly with the WEQ and Retail quadrants on measurement and verification standards for demand response services. The Standards Review Subcommittee meets bi-monthly to review any NERC SARs as well as NERC's new annual plan to see if NAESB should develop any complimentary business practices.

Mr. Hossain, as a new member of the board, asked for clarification on the work of the subcommittees. Ms. McQuade responded that there has been discussion of training for new members on the NAESB process and on workshops for collaboration and reaching consensus. This training will be held in conjunction with the EC meetings in November and will occur on the morning of Wednesday, November 5. There was also interest expressed in having a second training in the west and efforts will be made by the NAESB office to accommodate that request.

FERC Order No. 698: Mr. Buccigross reported on the three aspects of FERC Order No. 698 that NAESB [filed](#) in September: 1) Index-based pricing; 2) Redirects and 3) Intraday nomination schedule. For index-based pricing, two new definitions, ten new standards were created and three standards were modified. After the standards are adopted there will be the additional work of fully staffing, which will require technical work. The technical and data requirements under developed, with completion expected early next year. The same work is being done for [FERC Order No. 712](#). Redirects have passed the EC and no technical work is to be done. There was a recommendation of no action for the intraday nomination schedule because the standards did not change. There is also no technical implementation work to be done on those standards.

DSM-EE efforts: Mr. Wattles reviewed the [DSM-EE efforts](#). The next meeting will be held on October 3 in Austin, Texas. The ISO/RTO work group is expected to present the wholesale draft recommendation at this meeting. The wholesale draft recommendation may serve as a model for retail to develop their measurement and verification (M&V) draft recommendation. Ms. McQuade noted that the anticipated timeline for the standards has the WEQ draft standards discussed at the October meeting, revisions in October and November with a possible vote in the subcommittee at the December meeting. The recommendation will then be sent out for a thirty day formal comment period and the EC will vote on it in January or February. The standards will be submitted to the FERC shortly thereafter. The retail work group is still trailing the wholesale work group by approximately one to two quarters.

Retail: Mr. Novak presented the [update on the next retail publication](#). The anticipated publication date is the first quarter of 2009 and will contain the remainder of the original business plans for retail choice as well as the Texas Task Force work. If finished, the retail business practice standards for DSM will not be published until the following publication in an effort to better display the work product. Ms. McKeever stated that the majority of the work of the Texas Task Force has been completed and that she expects to have that work product out for comment by the first week of November.

Mr. Brown provided the update on a potential restructuring of the retail quadrants. He noted that Mr. Bourbonnais worked on a committee devoted to restructuring the retail quadrants and developed plans to combine the retail quadrants before his retirement. However, combining the quadrants will not solve the problems presented by the low membership levels. There are several upcoming work products that will increase visibility of the retail quadrants. The retail choice transactions are currently under consideration for adoption in Pennsylvania and Illinois. The current focus in retail is the DSM-EE efforts which are currently under development. As a result, the quadrants



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are considering a change in structure and an update of the mission of the retail quadrants for challenges of this decade. The quadrants are also considering the creation of a member at-large segment.

## 5. Executive Committee Reports

Ms. McQuade reviewed the EC reports. In the interest of time, she would send the redlined annual plans to board members and asked that anyone with concerns contact the NAESB office. She said that if she did not hear back from them within two weeks, she would assume they voted in favor of the changes. A motion by Mr. Novak, seconded by Ms. Crockett, to accept that procedure passed a simple majority vote unanimously. [The plans were returned October 20.]

## 6. Plan for December 2008 Board Meeting

Ms. McQuade asked meeting participants to let her or Mr. Desselle know if participants have any items they would like added to the agenda. It is possible but unlikely that the board will review the retail restructuring issue, which would require a vote.

## 7. Old and New Business

Ms. McQuade provided an update of the NAESB liaisons with various external groups. She urged members to call in on the monthly update calls as a number of state and federal agencies participate in the calls. Ms. McQuade and Mr. Desselle will meet with the FERC Commissioners to discuss the changes that were made at today's meeting. NAESB has also continued to maintain contact with NERC to ensure coordination.

The dates for next year's board meetings have been [scheduled](#). They will be held on March 26, June 25, September 24 and December 10 at the Houston – Marriott IAH.

## 8. Adjourn

The meeting adjourned at 11:51 AM Central.

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

### NAESB BOARD OF DIRECTORS VOTES, 9-25-08 BOARD MEETING

		ATTENDANCE	CERTIFICATE VOTE	BYLAWS VOTE
<b>WGQ PRODUCERS SEGMENT</b>				
Jay Ellzey	Vice President Commercial Operations, Chevron Natural Gas	Notational Ballot	Y	N
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Notational Ballot	Y	Y
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	In Person	Y	Y
Marty Patterson	Vice President – Commercial Operations, Foothills Energy Ventures LLC	Notational Ballot	Y	Y
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	Notational Ballot	Y	Y
<b>WGQ PIPELINE SEGMENT</b>				
Cathie Legge	Manager – Customer Service, Alliance Pipeline LP	In Person	Y	Y
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Notational Ballot	Y	Y
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	In Person	Y	Y
Anne Bomar	Vice President, Dominion	Notational Ballot	Y	Y
Richard Kruse	Senior Vice President, Spectra Energy Transmission	Phone	Y	Y



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## NAESB BOARD OF DIRECTORS VOTES, 9-25-08 BOARD MEETING

		ATTENDANCE	CERTIFICATE VOTE	BYLAWS VOTE
<b>WGQ LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>				
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	Notational Ballot	Y	Y
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	In Person	Y	Y
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	In Person	Y	Y
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Notational Ballot	Y	Y
<b>WGQ END USERS SEGMENT</b>				
Valerie Crockett	Senior Energy & Policy Specialist, Tennessee Valley Authority	In Person	Y	Y
Timothy W. Gerrish	Director of Origination-Energy Marketing and Trading, Florida Power & Light	Notational Ballot	Y	Y
Tina Burnett	Natural Gas Resources Administrator, The Boeing Co.	Phone	Y	Y
Lori-Lynn C. Pennock	Senior Fuel Supply Analyst, Salt River Project	In Person	Y	Y
Jim Templeton	Principal, Comprehensive Energy Services	In Person	Y	Y
<b>WGQ SERVICES SEGMENT</b>				
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company			
Rusty Braziel	Managing Director, Bentek Energy, LLC	Notational Ballot	Y	Y
Jim Buccigross	Vice President Energy Industry Practice, 8760 Inc.	In Person	Y	Y
Bill Hebenstreit	Marketing Manager, Goodrich Petroleum Company, LLC	In Person	Y	Y
<b>REQ SUPPLIERS SEGMENT</b>				
Robert K. Koger	President, North Carolina Advanced Energy Corporation	Notational Ballot	Y	Y
<b>REQ DISTRIBUTORS SEGMENT</b>				
David Koogler	Director – State Regulation, Dominion Virginia Power (SERC NERC Region)	Phone	Y	Y
Dennis Derricks	Director Regulatory Policy and Analysis, Wisconsin Public Service Corporation	Phone	Y	Y
Ruth Kiselewich	Director, Conservation Programs, Baltimore Gas & Electric Company (MAAC NERC Region)	Phone	Y	Y
Debbie McKeever	Market Advocate, Oncor	In Person	Y	Y
<b>REQ END USERS SEGMENT</b>				
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	Notational Ballot	Y	Y
<b>REQ SERVICE PROVIDERS SEGMENT</b>				
Jim Minneman	Controller, PPL Solutions LLC	In Person	Y	Y
David Pickles	Vice President, ICF International	Phone	Y	Y
J Cade Burks	President, EC Power	Notational Ballot	Y	Y
<b>WEQ TRANSMISSION SEGMENT</b>		<b>SUB SEG:</b>		
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	Muni/Coop	Phone	Y
Chuck Feagans	Senior Manager, Reliability Policy, Tennessee Valley Authority	Fed/State/P rov.	Phone	Y
John E. Lucas	Director - Transmission Policy and Services,	IOU	In Person	Y



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## NAESB BOARD OF DIRECTORS VOTES, 9-25-08 BOARD MEETING

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Jerry Smith	Southern Company Transmission Alliance/Partnership Manager, Arizona Public Service Co.	IOU	In Person	Y	Y
Jill Horswell	Director Transmission, Southern California Edison	at large			
Terri Grabiak	Director – FERC and RTO Internal Affairs, Allegheny Energy, Inc.	at large	Phone	Y	
Michelle Mizumori	Market Interface Manager, Western Electricity Coordinating Council (WECC)	At-Large	In Person	Y	Y
<b>WEQ GENERATION SEGMENT</b>					
Curtis Winterfeld	Vice President of Power Marketing, Deseret Generation & Transmission Cooperative	Muni/Coop			
Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	Fed/State/P rov.	Notational Ballot	Y	Y
Lou Oberski	Director – Electric Market Policy, Dominion Resources Services, Inc.	IOU	Phone	Y	Y
Charles W. Severance	Manager – Supply & Wholesale Services, Wisconsin Public Service Corporation	IOU	Phone	Y	Y
Ron Mucci	Consultant, Representing Entegra Power Group LLC	Merchant	Phone	Y	Y
Gloria Ogenyi	Vice President Energy Policy, Conectiv Energy Supply, Inc.	Merchant			
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	at large	In Person	Y	Y
<b>WEQ MARKETERS/BROKERS SEGMENT</b>					
Roy True	Manager of Regulatory and Markets Development, ACES Power Marketing	Muni/Coop	In Person	Y	Y
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Fed/State/P rov.	Notational Ballot	Y	Y
Jack Cashin	Senior Manager of Policy, Electric Power Supply Association (EPSA)	at large			
Sam Forrest	Vice President, Energy Marketing and Trading, Florida Power & Light	IOU			
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	In Person	Y	Y
Rick Smead	Director, Navigant Consulting, Inc.	At-Large	In Person	Y	Y
<b>WEQ DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>					
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	Notational Ballot	Y	Y
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	Muni/Coop	Phone	Y	Y
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	Notational Ballot	Y	Y
Thomas Burgess	Director – FERC Compliance, FirstEnergy Service Company	at large	Phone	Y	Y
Joe Hartsoe	Managing Director – Federal Policy, American Electric Power Service Corp.	at large	Phone	Y	Y
Bruce Ellsworth	New York State Reliability Council	At-Large		Y	Y



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## NAESB BOARD OF DIRECTORS VOTES, 9-25-08 BOARD MEETING

			ATTENDANCE	CERTIFICATE VOTE	BYLAWS VOTE
<b>WEQ END USERS SEGMENT</b>					
Thomas G. Dvorsky	Director of the Office of Electricity, Gas, and Water at the New York State Department of Public Service	Regulator			
Michehl Gent	Open Access Technology International, Inc.	At-Large	Notational Ballot	Y	Y
<b>WEQ INDEPENDENT GRID OPERATORS/PLANNERS</b>					
Michael Desselle	Vice President Process Integrity, Southwest Power Pool		In Person	Y	Y
Kent Saathoff	Vice President of System Operations, ERCOT		Notational Ballot	Y	Y
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.		Phone	Y	Y
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)		Notational Ballot	Y	Y
Andy Ott	Senior Vice President Marketing, PJM Interconnection				
Bill Phillips	Vice President Standards Compliance & Strategy, Midwest ISO (MISO)		Phone	Y	Y
Don Tench	Director Planning & Assessments, Independent Electricity System Operator (IESO)		Phone	Y	Y
<b>RGQ DISTRIBUTORS SEGMENT</b>					
Alonzo Weaver	Vice President of Engineering and Operations, Memphis Light, Gas & Water Division (APGA)		Notational Ballot	Y	Y
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.		Notational Ballot	Y	Y
<b>SERVICE PROVIDERS SEGMENT</b>					
Leigh Spangler	President, Latitude Technologies Inc.		Phone	Y	Y
Dave Darnell	President & CEO, Systrends USA		Notational Ballot	Y	Y
Greg Lander	President, Capacity Center		Notational Ballot	Y	Y
The subsegments noted in the above roster are:					
At-Large -- Regional reliability organizations, regional transmission organizations, consultants, service companies, information services and software companies, law firms, and other such organizations that are not specifically encompassed in the other subsegments for a given segment.	ITC – Independent Transmission Company				
	Large Industrials (not in other segments)				
	Merchant				
	Muni/Coop – Municipals, Cooperatives				
	Not IOU Affiliated				
Competitive Retailer (not available to MUNI/COOP, IOU or IOU affiliates)	OTHER -- (not available to MUNI/COOP, IOU or IOU affiliates)				
End Use (also in another segment)	Regulator				
Federal/State/Provincial	Residential/Commercial				
IOU – Investor Owned Utility or IOU Affiliated	End Use (Self Generation)				

The numbers of seats within each segment that are allotted to sub-segments are controlled through the WEQ Procedures.



# North American Energy Standards Board

1301 Fannin, Suite 2350, 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)

## 10. Other Attendance

Name	Organization	Attendance
Steve Abbey	Anadarko	Phone
Jonathan Booe	NAESB	In Person
Bill Boswell	NAESB	In Person
Kathryn Burch	Spectra Energy Transmission	In Person
Christopher Burden	Williams Gas Pipeline	In Person
Dolores Chezar	National Grid Gas Distribution Companies	Phone
Ralph Cleveland	AGL Resources	Phone
Deonne Cunningham	NAESB	In Person
Dale Davis	Williams Gas Pipeline	In Person
Ed Davis	Entergy	In Person
Bruce Ellsworth	New York State Reliability Council	In Person
Cory Galik	NAESB	In Person
Mark Gracey	Tennessee Gas Pipeline	In Person
Bill Griffith	El Paso Natural Gas	In Person
Jim Hanrahan	ExxonMobil	In Person
Lara Indrasena	ConEdison	Phone
Melissa Lauderdale	Integrus Energy	Phone
Bill Lohrman	FERC	Phone
Rae McQuade	NAESB	In Person
Rana Mukerji	New York ISO	Phone
Andy Ott	PJM	Phone
Denise Rager	NAESB	In Person
Narinder Saini	Entergy	Phone
Micki Schmitz	Northern Natural Gas	Phone
Lisa Simpkins	Constellation Energy Resources	Phone
Ed Skiba	Midwest ISO	Phone
Richard Smith	Noble Energy	In Person
Emily Strait	Spectra	In Person
Veronica Thomason	NAESB	In Person
Kim Van Pelt	Panhandle Eastern Pipeline	In Person
Paul Wattles	ERCOT	In Person
Jill Web	Preferred Legal Services	In Person
Eric Winkler	ISO New England	Phone
Darla Wishart	NAESB	Phone



## North American Energy Standards Board

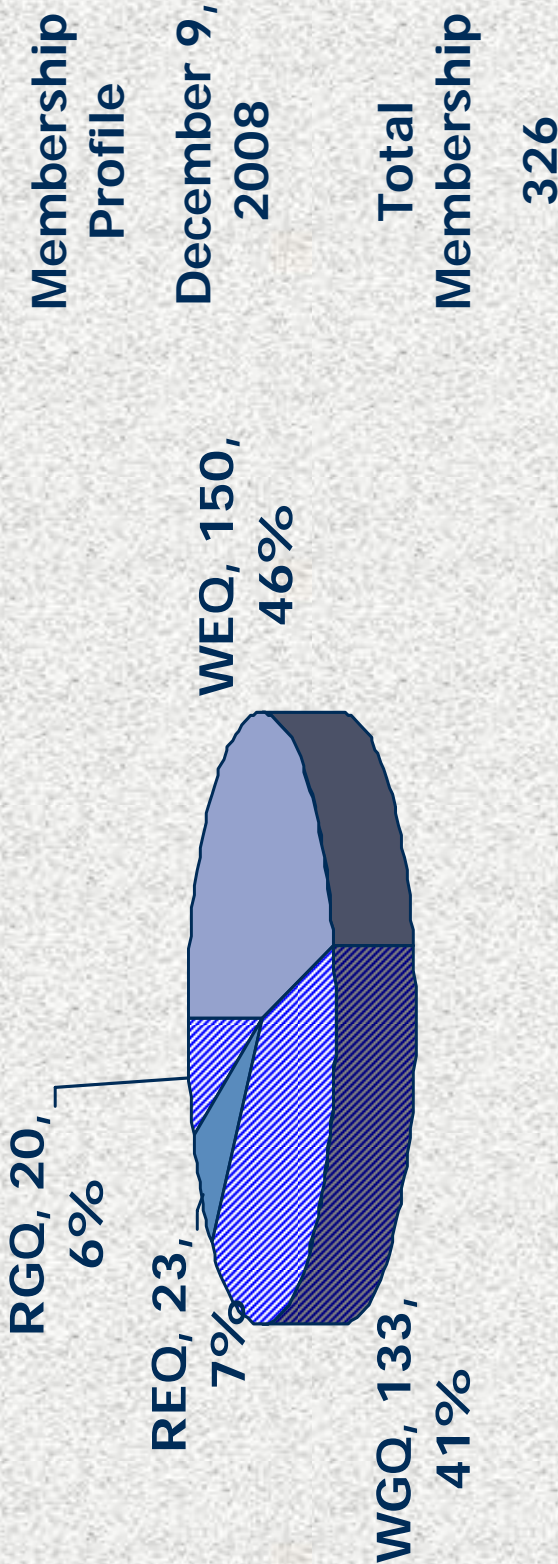
1301 Fannin, Suite 2350, Houston, Texas 77002  
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Home Page: [www.naesb.org](http://www.naesb.org)

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<b>Name</b>	<b>Organization</b>	<b>Attendance</b>
Charles Yeung	SPP	In Person
Kathy York	Tennessee Valley Authority	In Person
Randy Young	Boardwalk Pipelines	Phone

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# North American Energy Standards Board Organizational Profile



Quadrant Statistics	WEO	WGO	REQ	RGO	Total
Membership YE 2007	157	127	26	26	336
Net Change	-7	+6	-3	-6	-10
Membership YTD	150	133	23	20	326

North American Energy Standards Board Membership List  
As of December 9, 2008

**NAESB Membership Statistics – Changes by Quadrant for 2008 as of December 9, 2008**

<b>NAESB Membership Report - Quadrant/Segment Membership Analysis</b>		<b>Number of Members</b>
<b>WGQ Segments</b>	<b>TOTAL</b>	<b>133</b>
	End Users	18
	Distributors	23
	Pipelines	40
	Producers	17
	Services	35
<b>REQ Segments</b>	<b>TOTAL</b>	<b>23</b>
	End Users	3
	Distributors	10
	Services	6
	Suppliers	4
<b>RGQ Segments</b>	<b>TOTAL</b>	<b>20</b>
	End Users	1
	Distributors	9
	Services	5
	Suppliers	5
<b>WEQ Segments</b>	<b>TOTAL</b>	<b>150</b>
	End Users	7
	Distributors	26
	Transmission	44
	Generation	31
	Marketers	31
	None Specified	1
	Independent Grid Operators/Planners	10

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WEQ	New Members:	8
	<i>British Columbia Transmission Corporation, Entegra Power Group, LLC, Public Power Council, San Diego Gas &amp; Electric Company, Santee Cooper, Westar Energy, Inc., Black Hills Corporation, American Wind Energy Association</i>	
	Member Resignations:	14
	<i>Conectiv Energy Supply, Inc., Dept. of the Interior – U.S. Bureau of Reclamation, Florida Reliability Coordinating Council, Ohio Consumers Council, ChevronTexaco Energy Research, Imperial Irrigation District, Michigan Electric Transmission Company, Oncor, Maryland People’s Counsel, Constellation Energy, Sacramento Municipal Utility District, Salt River Project Agricultural Improvement &amp; Power District, Allegheny Energy, Inc., American Transmission Company, LLC</i>	
WGQ	New Members:	11
	<i>EnergySouth Midstream, Inc., Foothills Energy Ventures, LLC, OGE Energy Resources, Inc., Vega Energy Partners, Ltd., Goodrich Petroleum Company, LLC, Noble Energy, Inc., Devon Energy Corporation, Husky Energy Marketing, Inc., Husky Gas Marketing, Inc., Husky Marketing and Supply Company, JP Morgan Ventures Energy Corp.</i>	
	Member Resignations:	8
	<i>HS Resources, Inc., Vega Energy Partners, Ltd., J.P. Morgan Ventures Energy Co., UBS Energy LLC, Florida Reliability Coordinating Council, Equitable Gas Company, National Grid USA, EnergySouth Midstream, Inc.</i>	
REQ	New Members:	3
	<i>ICF International, North Carolina Advanced Energy Corporation, Advantage IQ, Inc.</i>	
	Member Resignations:	5
	<i>Wal-Mart Stores, Inc., Mississippi Power Company, Gulf Power Company, TXU Energy Retail, ista North America</i>	
RGQ	New Members:	1
	<i>Vectren Retail, LLC</i>	
	Member Resignations:	6
	<i>Center Point Energy Minnegasco, Energy Services Group, Inc., Public Service Electric &amp; Gas Company, Indiana Office of Utility Consumer, Niagara Mohawk, UBS Energy LLC,</i>	
TOTAL	New Members	23
	Member Resignations:	33

North American Energy Standards Board Membership List  
As of December 9, 2008

	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
<b>Retail Electric Quadrant Members:</b>				
1	Advantage IQ, Inc.	e	Suzanne Figy, Jami Boom	
2	Alabama Power	d	Judy W. Ray	
3	Ameren Services Company	d	Patrick Eynon	
4	Baltimore Gas & Electric Co.	d	Ruth Kiselewich, Phil Precht	
5	Consolidated Edison Company of NY	d	Adrienne Austin	
6	Constellation NewEnergy, Inc.	d	Jansen Pollock	
7	Direct Energy Business Services	su	David Booty	
8	Dominion Retail	su	William Barkas, Richard Zelenko	
9	Dominion Virginia Power	d	David F. Koogler, Mary Edwards	
10	EC Power International	s	Judy Bailey, J. Cade Burks, Jennifer Teel	
11	Electric Reliability Council of Texas (ERCOT)	s	Susan Munson	
12	Exelon Energy Delivery	d	Toni Garza	
13	ICF International	s	David Pickles	
14	MidAmerican Energy	d	James E. Wilson	
15	North Carolina Advanced Energy Corporation	su	Robert K. Koger	
16	Office of Public Advocate, State of Maine	e	Agnes Gormley	
17	Oncor	d	Larry Williford, Debbie McKeever	
18	Pennsylvania Office Of Consumer Advocate	e	Tanya J. McCloskey, Sonny A. Popowsky	
19	PPL Solutions, LLC	s	James M. Minneman, Kim Wall	
20	Public Service Electric & Gas	d	Terrence Moran	
21	Southern Company Services	s	Barbara Hingst	
22	Structure Group	s	Stacey Wood	
23	Wisconsin Public Service Corporation	d	Dennis Derricks, Les Nishida, Ken Thiry	
<b>Wholesale Gas Quadrant Members:</b>				
1	8760, Inc.	s	Jim Buccigross	
2	Alliance Pipeline LP	pl	Jim Goldmann, Cathie Legge, Brian Troicuk	
3	Ameren Corporation	l	Scott Glaeser, Ken Dothage, Jim Massmann	
4	Anadarko Energy Services Company	s	John Bretz, Steven Abbey	
5	ANR Pipeline Company	s	Sandy Meyers	
6	Apache Corporation	pr	Kelley Powell	
7	Arizona Public Service Company	e	Tom Carlson, Kelly Daly	
8	Atmos Energy	pl	Steve Easley	

<sup>1</sup> The segment abbreviations are: **REQ**: d – distributors, e – end users, s – service providers, su – suppliers. **RGQ**: d – distributors, e – end users, s – service providers, su – suppliers. **WEQ**: m – marketer/broker, d – distribution, i – independent grid operators/planners, t – transmission owner, e – end user, g – generator. **WGO**: s – services, pl – pipeline, l – LDC, pr – producer, e – end user.

<sup>2</sup> The sub-segment apply only to the WEQ and the abbreviations are – muni – municipal/cooperative, iou – investor owned utility, itc – independent transmission company, fed – federal/state/provincial facility/agency, lind – large industrial, sgen – self generation, end use – end user that may be represented in other segments, merc – merchant, N – no designation, reg – regulatory agency, niou – not investor owned utility. To get a full description of the subsegment, please reference the WEQ Procedures: [http://www.naesb.org/pdf/weq\\_quadrant\\_procedures.doc](http://www.naesb.org/pdf/weq_quadrant_procedures.doc)

North American Energy Standards Board Membership List  
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	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
9	Ballard Natural Gas, LLC	s	Susan Thibodeaux	
10	Baltimore Gas & Electric Co.	l	Phil Precht, Ron Jennings, Mark Valavanis	
11	Barclays Bank PLC	s	Guy Kern-Martin	
12	Bentek Energy, LLC	s	E. Russell Braziel	
13	BG Energy Merchants, LLC	s	Martha Braddy, Denise Almoina, Susan Bailey, Melody Fontenot	
14	Boardwalk Pipelines, LP	pl	Randy Young, Mitch Whitehead	
15	Boeing Co., The	e	Tina Burnett	
16	BP Energy	pr	Bill Benham, Rhonda Denton	
17	Calpine Energy Services, LP	e	Shonnie Daniel, Craig Chancellor	
18	Cargill Incorporated	s	Lester Welch	
19	Carolina Gas Transmission Corporation	pl	Ryan Leahy	
20	Cascade Natural Gas Corporation	l	Mark Sellers-Vaughn	
21	CenterPoint Energy Gas Services, Inc.	s	James G. Beste, Larry Kunkle	
22	CenterPoint Energy Gas Transmission Company	pl	Larry Thomas	
23	CenterPoint Energy Mississippi River Transmission Corporation	pl	Robert Trost	
24	Chandeleur Pipe Line Company	pl	Janice E. Rogers, Deborah Plattsmier	
25	Cheniere LNG Marketing, Inc.	s	Mark Stubbe, Tammy Miller	
26	Chevron Natural Gas	pr	Charles (Chuck) Cook	
27	Cimarex Energy Co.	pr	Charlotte Baker	
28	Citigroup Energy Inc.	s	Carrie Southard, Angela Davis	
29	Colorado Springs Utilities	l	Joe M. Holmes	
30	Columbia Gas Transmission	pl	Claire Burum	
31	Comprehensive Energy Services	e	Jim Templeton	
32	ConocoPhillips Gas and Power	pr	Peter Frost	
33	Consolidated Edison Company of NY	l	Scott Butler, Paul Olmsted	
34	Constellation Energy Commodities Group Inc.	s	Lisa Simpkins	
35	Dauphin Island Gathering Partners	pl	Katie Rice	
36	DB Energy Trading	s	William Donnelly, Travis McCullough	
37	Defense Energy Support Center	e	Veronica Jones, Kevin Ahern	
38	Department of Energy	e	Christopher Freitas	
39	Devon Energy Corporation	pr	Bill Green	
40	Dominion Exploration and Production, Inc.	pr	David Ogden, Gary Weaver, Sheri Heslington	
41	Dominion Resources	l	Craig Columbo	
42	Dominion Transmission, Inc.	pl	Gary Sypolt, Iris King	
43	DTE Energy Trading, Inc.	s	Gregory V. Staton, James Buck, Dena Crawford, Marcia L. Hissong, Ann Marie Jambor, Cynthia Klots, Shelley Greene	
44	El Paso Natural Gas	pl	William Griffith	
45	El Paso Exploration & Production Company	pr	Susan Lum, David A. Webster, Stephanie Karm	
46	Enbridge Energy Company, Inc.	pl	Terry McGill	

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	<b>Organization</b>	<b>Seg<sup>1</sup></b>	<b>Contact</b>	<b>Sub-Seg<sup>2</sup></b>
47	EnCana Marketing (USA) Inc.	s	Keith Sappenfield	
48	EnCana Corporation	pr	Keith Sappenfield	
49	Energy East Management Corporation	l	Mark Marini	
50	Entergy Services, Inc.	e	Laura Berryman, Terry Shields	
51	Enterprise Products Partners L.P.	pl	Richard W. Porter	
52	ExxonMobil Gas & Power Marketing Company a division of Exxon Mobil Corporation	pr	Jim Hanrahan, Carol A. Nichols	
53	Florida Power & Light Company	e	Dona Gussow, Art Morris	
54	Foothills Energy Ventures, LLC	pr	Marty Patterson	
55	FPL Energy Power Marketing, Inc.	e	Michael Jessop	
56	Gas Transmission Northwest Corp.	pl	Jay Story	
57	Goodrich Petroleum Company, L.L.C.	pr	Bill Hebenstreit	
58	Great Lakes Gas Transmission	pl	Gene Fava	
59	Hess Corporation	s	Rebecca Batchelder	
60	Houston Pipe Line Company LP	pl	Josie Castrejana	
61	Husky Energy Marketing, Inc.	pr	Jan Bindon	
62	Husky Gas Marketing, Inc.	pr	Jan Bindon	
63	Husky Marketing and Supply Company	e	Jan Bindon	
64	Imperial Irrigation District	e	William Rapp	
65	Integrus Energy Group, Inc.	l	David E. Wear	
66	Iroquois Gas Transmission System	pl	Tom Gwilliam	
67	JP Morgan Ventures Energy Corp	S	Paul Tramonte	
68	Kern River Gas Transmission Co	pl	Brenda Horton	
69	Laclede Gas Co.	l	Kenneth Neises	
70	Latitude Technologies	s	Leigh Spangler	
71	Lehman Brothers Commodity Services Inc.	s	David Perlman	
72	Louis Dreyfus Energy Services	s	Mary Ellen Bell, Ruby H. Melton	
73	Lower Colorado River Authority	e	Mickey Bell	
74	Macquarie Cook Energy, LLC	s	Angela Jones	
75	Marathon Oil Company	pr	Robin Perrine	
76	Mewbourne Oil Company	pr	Michael F. Shepard	
77	Mirant Energy Trading, LLC	e	Laura Trautman, John F. Hogan	
78	National Fuel Gas Distribution	l	Michael Novak	
79	National Fuel Gas Supply Corp.	pl	Joseph Kardas	
80	National Grid Gas Distribution Companies	l	Dolores Chezar	
81	Natural Gas Pipeline Co of America	pl	Paul Love, Stan Thomas, Mike Schisler, Paul Haas	
82	New Jersey Natural Gas Company	l	Douglas C. Rudd	
83	Nexen Marketing	s	Shelley Leavitt	
84	NiSource Inc.	l	George Simmons, Sorana Linder	
85	Noble Energy, Inc.	pr	Richard Smith	
86	Northern Border Pipeline Company	pl	Scott Coburn	

North American Energy Standards Board Membership List  
As of December 9, 2008

	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
87	Northern Natural Gas	pl	Mary Darveaux	
88	Northwest Natural Gas Company	l	Randolph Friedman	
89	NOVA Gas Transmission Ltd.	pl	Doug Miller	
90	OGE Energy Resources, Inc.	s	Cary Metz	
91	ONEOK	l	Richard Tangeman	
92	ONEOK Partners GP, LLC	pl	Teri Tingler	
93	Ozark Gas Transmission, LLC	pl	David A. Harrell	
94	Pacific Gas & Electric	l	John Breen, Don Petersen	
95	Panhandle Eastern Pipe Line	pl	William Grygar, Kim Van Pelt	
96	PECO Energy Co.	l	Reed R. Horting	
97	Pemex Gas Y Petroquimica Basica	s	Juan Enrique Gonzalez Azuara	
98	Peoples Gas System (A division of Tampa Electric Co)	l	Wraye Grimard	
99	Platts	s	Bill Murphy	
100	Portland Natural Gas Transmission System	pl	David Haag	
101	PPL EnergyPlus, LLC	e	Anne Lovett	
102	Public Service Electric & Gas	l	David Wohlfarth	
103	Questar Pipeline Co.	pl	Scott Hansen	
104	Quorum Business Solutions Inc.	s	Anne Golenternek, Michael Lewis	
105	Reliance Gas Transportation Infrastructure Limited	pl	Jagjit S. Yadav	
106	Sabine Pipe Line LLC	pl	Jan Rogers	
107	Salt River Project Agricultural Improvement & Power District	e	Lori-Lynn C. Pennock	
108	Sempra Energy - Southern California Gas Co.	l	Lee Stewart, Rodger Schwecke	
109	Sequent Energy Management, L.P.	s	Pat Metteauer	
110	Shell Energy North America (US), L.P.	s	Eric Gillaspie	
111	SolArc, Inc.	s	Mark Davis	
112	Southern California Edison Company	e	Roman Bakke, Curt Roney	
113	Southern Company Services, Inc.	e	Alan Kilpatrick, Bryan Mitchell	
114	Southern Natural Gas Co.	pl	Renee Hyde, Tracey Nicholson, Ludean Wyatt	
115	Southern Star Central Gas Pipeline	pl	Philip Rullman, Dale Sanders	
116	Southwest Gas Corporation	l	Larry Black	
117	Spectra Energy Transmission	pl	Richard Kruse	
118	SUEZ Energy Marketing NA, Inc.	s	Shirley Tidor	
119	SunGard	s	Lucia Nail	
120	Tennessee Gas Pipeline Company	pl	Sue Barry, Mark Gracey	
121	Tennessee Valley Authority	e	Valerie Crockett	
122	Tiger Natural Gas	s	Tracy Phillips	
123	TransCanada Pipelines	pl	Doug Miller	
124	Transwestern Pipeline Company, LLC	pl	Blair V. Lichtenwalter, Mary Draemer, David Mendoza	
125	UBS Energy LLC	s	Suzanne Calcagno	

North American Energy Standards Board Membership List  
As of December 9, 2008

	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
126	Vector Pipeline L.P.	pl	Amy Bruhn	
127	Vega Energy Partners, Ltd	s	Julie Pincus	
128	Virginia Power Energy Marketing, Inc.	s	Paul Pfeffer	
129	Washington Gas Light Co.	l	Adrian Chapman, Ken Yagelski	
130	Westfield Gas & Electric Light Dept.	l	Joyce Bodak	
131	Williams Gas Marketing, Inc.	s	Rich Ficken	
132	Williams Gas Pipeline	pl	Dale Davis, Christopher Burden	
133	Williston Basin Interstate Pipeline	pl	Keith Tiggelaar	
<b>Wholesale Electric Quadrant Members:</b>				
1	ACES Power Marketing LLC	m	Roy J. True, Amadou Fall	muni
2	Alberta Electric System Operator	i	Diana Pommen, Henry Ren	
3	Ameren Services	m	Shawn Schukar	iou
4	American Electric Power Service Corp.	d	Barbara Radous, Joseph Hartsoe, Phil Cox	iou
5	American Municipal Power - Ohio, Inc.	d	Mack Thompson, Chris Norton	muni
6	American Public Power Association	d	Allen Mosher	muni
7	American Wind Energy Association	g	Robert Gramlich	merc
8	APS Marketing and Trading	m	Steve Norris	iou
9	Arizona Public Service Company	t	Mark W. Hackney	iou
10	Basin Electric Power Cooperative	t	Dan Klempel	muni
11	Basin Electric Power Cooperative	m	David Raatz	muni
12	Basin Electric Power Cooperative	g	Jason Doerr	muni
13	Black Hills Corporation	t	Larry D. Williamson	iou
14	Bonneville Power Administration	d	Sydney D. Berwager	other
15	Bonneville Power Administration	g	Francis Halpin	fed
16	Bonneville Power Administration	m	Brenda Anderson	fed
17	Bonneville Power Administration	t	Barbara Rehman, Tom Davis	fed
18	BP America Inc.	e	Jeanne Zaiontz	lind
19	British Columbia Transmission Corporation	t	Rohan Soulsby	fed
20	California Department of Water Resources	g	William (Bill) Forsythe, Chi Doan	fed
21	California ISO	i	Yakout Mansour	
22	Central Electric Power Cooperative	d	Arthur Fusco	muni
23	Cleco Power, LLC	t	Cindy Guillot	iou
24	Comprehensive Energy Services	e	Jim Templeton	enduse
25	Conectiv Energy Supply, Inc.	g	Gloria Godson	merc
26	Consolidated Edison Company of New York, Inc.	t	Scott Butler	iou
27	Consumers Energy Company	d	Andrew C. Dotterweich, Frank Johnson	iou
28	Dairyland Power Cooperative	t	Chuck Callies	muni
29	Deseret Power Electric Co-op	g	Curt Winterfeld	muni
30	Dominion Energy Marketing, Inc.	g	Lou Oberski, Jalal Babik	iou
31	Duke Energy Americas, LLC (DEA)	g	Walt Yeager	iou

North American Energy Standards Board Membership List  
As of December 9, 2008

	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
32	Duke Energy Corp.	d	Alan Pritchard	iou
33	Dynegy Power Marketing, Inc.	g	Barry Huddleston	merc
34	Edison Electric Institute	n	David Owens, Dave Dworzak, James P. Fama	N
35	Edison Mission Marketing & Trading, Inc.	g	William Roberts	merc
36	Electric Power Supply Association	m	Jack Cashin	at large
37	Electric Reliability Council of Texas (ERCOT)	i	Bill Blevins	
38	ElectriCities of North Carolina (North Carolina Eastern Municipal Power Agency)	g	Gregory Locke	muni
39	Empire District Electric Company, The	t	Bary K. Warren	iou
40	Energy East Management Corporation	t	Mark Marini	iou
41	Entegra Power Group, LLC	g	Rebecca Turner	merc
42	Entergy Services, Inc.	t	Edward J. Davis, Narinder Saini	iou
43	Exelon Corporation - PECO Energy	d	John McCawley	iou
44	Exelon Generation - Power Team	m	Jack Crowley	iou
45	ExxonMobil Gas Marketing	e	Kerrie Anne Lanigan	sgen
46	First Energy Service Company	d	Robert M. Martinko, Thomas C. Burgess	iou
47	FirstEnergy Solutions Corp.	m	Mark Travaglianti	iou
48	Florida Municipal Power Agency	g	Robert C. Williams	muni
49	Florida Municipal Power Agency	d	Steven H. McElhaney	muni
50	Florida Power & Light Company	m	Gerry Yupp, Tim Gerrish	iou
51	Florida Power & Light Company	t	Marty Mennes, Bob Birch	iou
52	Georgia Transmission Corporation	t	Patrick McGovern	muni
53	Hydro One Networks	t	Mark Graham	itc
54	Hydro – Quebec Transenergie	t	Victor Bissonnette	fed
55	Idaho Power Company	t	Tessia Park	iou
56	Imperial Irrigation District	m	Kim M. Kiener, Frank M. Barbera	muni
57	Independent Electricity System Operator (IESO)	i	Cristian Dragnea, Biju Gopi	
58	Indiana Municipal Power Agency	g	Scott Berry	muni
59	ISO New England, Inc.	i	Matthew F. Goldberg	
60	Lincoln Electric System	g	Douglas Bantam	muni
61	Luminant	m	Mike Grim	niou
62	Michigan Public Power Agency	d	James R. Nickel, Daniel E. Cooper	muni
63	MidAmerican Energy Company	m	Dennis Kimm	iou
64	Midwest Independent Transmission System Operator	i	William (Bill) Phillips, Ed Skiba	
65	Midwest Reliability Organization	t	Shel Berg	at large
66	Missouri River Energy Services	d	Brian Zavesky	muni
67	Modesto Irrigation District	t	Roger Van Hoy	muni
68	National Association of Regulatory Utility Commissioners	e	Lou Ann Westerfield	reg
69	National Grid	t	Edward M. Kremzier	iou

North American Energy Standards Board Membership List  
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	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
70	National Rural Electric Cooperative Assoc.	d	Barry Lawson, Paul McCurley	muni/coop
71	Navigant Consulting, Inc.	m	Richard G. Smead, Laurie J. Oppel, Kenneth C. Lotterhos	at large
72	New York Independent System Operator (NYISO)	i	Rana Mukerji	
73	New York State Dept. of Public Service	e	William Heinrich	reg
74	New York State Reliability Council	d	P. Donald Raymond	at large
75	North American Electric Reliability Corporation	d	Gerry Adamski, Andy Rodriguez	at large
76	North Carolina Electric Membership Corporation	d	David Beam	muni
77	North Carolina Electric Municipal Power Agency #1	m	Clay A. Norris	muni
78	North Carolina Electric Municipal Power Agency #1	d	Matt Schull	muni
79	Northeast Utilities Service Company	t	David Boguslawski, Calvin A. Bowie	iou
90	Northwestern Corporation	t	Mike Cashell	iou
81	NRG Energy, Inc.	g	Jennifer J. Vosburg, Alan Johnson	niou
82	NV Energy	m	Sheryl Torrey	iou
83	NV Energy, Inc.	t	Patricia Englin	iou
84	Ontario Power Generation	g	Colin Anderson, David Barr	merc
85	Open Access Technology International, Inc.	e	Michehl Gent	at large
86	Open Access Technology International, Inc.	t	Paul R. Sorenson	at large
87	Otter Tail Power Company	t	Daryl Hanson, Larry Larson	iou
88	PacifiCorp	m	Edison G. Elizeh, John Apperson	iou
89	PacifiCorp	g	Greg Maxfield	iou
90	PacifiCorp	t	Shay Labray	iou
91	PHI Power Delivery	t	Ken Gates	iou
92	PJM Interconnection	i	Patrick Brown, Cathy Wesley	
93	Portland General Electric	m	John Jamieson	iou
94	Portland General Electric	t	Frank Afranji, John Walker	iou
95	Powerex Corp	m	Michael L McWilliams, Sharole Tylor	fed
96	PowerSouth Energy Cooperative	d	William Ronald Graham	muni
97	PPL Electric Utilities Corporation	t	Ray Mammarella	iou
98	Progress Energy (Regulated)	m	James Eckelkamp	iou
99	Progress Energy	t	Phillip W. Lewis, Michael Anthony, Leslie Williams, Lee Schuster	iou
100	PSEG Power LLC	g	Thomas M. Piascik	merc
101	PSEG Energy Resources and Trade LLC	m	James D. Hebson	iou
102	Public Power Council Inc.	d	Nancy Baker	muni
103	Public Service Company of New Mexico	m	Steven Maestas	iou
104	Public Service Electric and Gas Company	d	Jeffrey C. Mueller	iou
105	Public Service Electric and Gas Company	t	Kenneth D. Brown	iou
106	Puget Sound Energy, Inc.	t	George Marshall, Bob Harshbarger	iou
107	Qualedi, Inc.	g	Stephen A. Morocco	at large

North American Energy Standards Board Membership List  
As of December 9, 2008

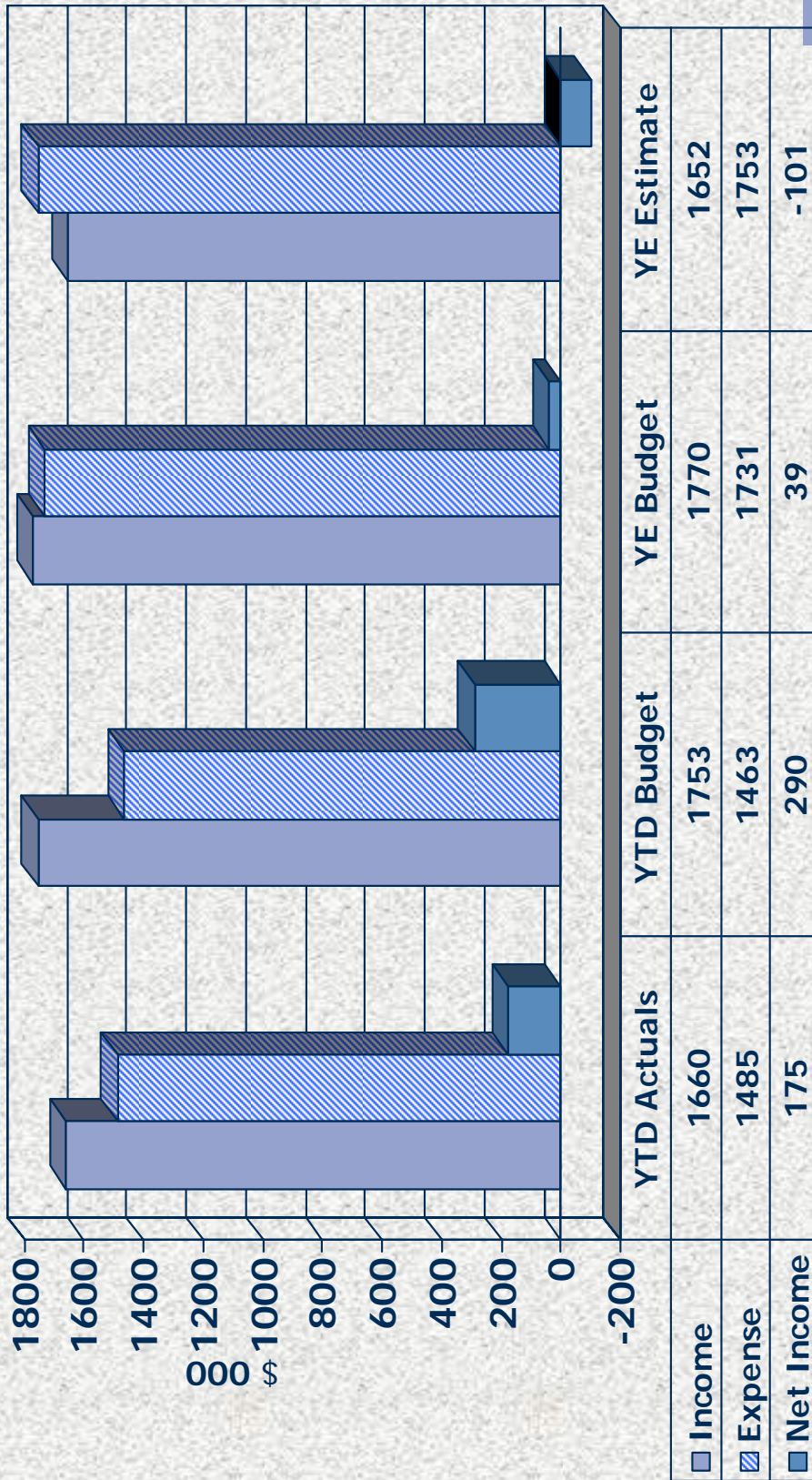
	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
108	Reliant Energy Services	g	Gary A. Hinners	merc
109	Sacramento Municipal Utility District	d	W. Shannon Black	muni
110	Salt River Project Agricultural Improvement and Power District	t	Wendy Weathers	fed
111	Salt River Project Agricultural improvement and Power District	m	Mark S. Mitchell	fed
112	San Diego Gas & Electric Company	t	Patricia vanMidde	iou
113	Santee Cooper	t	Tom Abrams	fed
114	Seattle City Light	d	Marilynn Semro	muni
115	Seminole Electric Cooperative, Inc.	m	Steve Wallace	muni
116	Shell Energy America (US), L.P.	m	Robert Reilley, Paul Kerr	niou
117	South Carolina Electric & Gas Company	t	S. Porcher Stoney	iou
118	South Carolina Electric & Gas Company	m	Kevin Spitzform	iou
119	Southeastern Power Administration	g	Bob Goss	fed
120	Southern California Edison	t	Weston Williams	iou
121	Southern California Edison Co.	g	Tracy Bibb	iou
122	Southern Company Services, Inc.	d	Gary Rozier, Greg Butrus	iou
123	Southern Company Services, Inc.	g	John Ciza	iou
124	Southern Company Services, Inc.	m	Joel Dison	iou
125	Southern Company Services, Inc.	t	R.D. (Dean) Ulch, John Lucas, JT Wood, James Y. Busbin, Daryl McGee	iou
126	Southwest Power Pool	i	Carl Monroe, Michael Desselle	
127	Southwest Transmission Cooperative, Inc.	t	Larry D. Huff	muni
128	Southwestern Power Administration	t	Tracey Stewart	fed
129	SUEZ Energy Marketing NA, Inc.	m	Ken Lackey, Cesar Seymour	niou
130	Sungard	e	Andrew Tritch	at large
131	Tampa Electric Company	m	Gail M. McKaig	iou
132	Tenaska, Inc.	g	Scott Helyer	merc
133	Tennessee Valley Authority	d	Cindy Herron, Dianne H. Nunez	other
134	Tennessee Valley Authority	g	Kathy York	fed
135	Tennessee Valley Authority	m	Belinda Thornton, Valerie Crockett	fed
136	Tennessee Valley Authority	t	Chuck Feagans	fed
137	TranServ International, Inc.	i	Kevin Burns	
138	Tri-State Generation and Transmission Association, Inc.	t	Keith V. Carman	muni
139	Tri-State G&T Association, Inc.	g	Lisa Tiffin	muni
140	Tucson Electric Power Company	t	Raquel Aguilar, Judy Fregoso, Ed Beck	iou
141	Vermont Public Power Supply Authority	g	William J. Gallagher	muni
142	Westar Energy, Inc.	g	Shah Hossain, Grant Wilkerson	iou
143	Western Area Power Administration	t	JB Hite	fed
144	Western Area Power Administration	m	Jeffrey Ackerman	fed
145	Western Electricity Coordinating Council	t	Michelle Mizumori, Louise McCarren	at large

North American Energy Standards Board Membership List  
As of December 9, 2008

	Organization	Seg <sup>1</sup>	Contact	Sub-Seg <sup>2</sup>
146	We Energies (Wisconsin Electric)	d	Linda Horn	iou
147	We Energies (Wisconsin Electric)	g	James R. Keller	iou
148	Wisconsin Public Power, Inc.	d	Mike Stuart	muni
149	Wisconsin Public Service Corporation	g	Tom Webb, Charles W. Severance, Neal Balu	iou
150	Xcel Energy Inc.	m	David Lemmons	iou
<b>Retail Gas Quadrant Members:</b>				
1	AGL Resources Inc.	d	Katrina Bond	
2	Allegro Development	s	Kimberly Page	
3	American Public Gas Association (APGA)	d	Alonzo Weaver, Joe Stengel	
4	Baltimore Gas & Electric Company	d	Phil Precht	
5	Capacity Center	s	Greg Lander	
6	Dominion Retail, Inc.	su	Richard A. Zollars	
7	Duke Energy Corp	d	Dan Jones	
8	Exelon Energy	su	Sheree M. Petrone	
9	International LNG Alliance	s	David Sweet	
10	Interstate Gas Supply	su	Ginger Fletcher	
11	Latitude Technologies	s	Leigh Spangler	
12	National Fuel Gas Distribution Corporation	d	Mike Novak	
13	Northern Indiana Public Service Company (NiSource, Inc.)	d	George Simmons	
14	Pennsylvania Office of Consumer Advocate	e	Tanya J. McCloskey	
15	Sprague Energy Corp.	su	Nicole D. Spaur	
16	Systrends USA	s	Dave Darnell	
17	UGI Utilities, Inc.	d	Paul Szykman	
18	Vectren Retail, LLC	su	Tami Wilson	
19	Wisconsin Public Service Corporation	d	Dennis Derricks, Ken Thiry, Les Nishida	
20	Xcel Energy	d	Don Basler	

# North American Energy Standards Board Board of Directors Meeting – 12-18-08

**2008 YTD Income and Expenses Compared to 2008 Budget and YE Estimate**  
Accrual Based as of 10-31-08





## North American Energy Standards Board

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December 18, 2008

**TO:** NAESB Board of Directors  
**FROM:** Rae McQuade, Darla Wishart  
**RE:** NAESB Financial Report

This report includes analysis of leading factors affecting NAESB financial statements – membership, and purchases of products on the revenue side, and meeting statistics on the expense side. Following the analysis, the accrual based financial report for YTD October 31, 2008 is provided with YE 2008 estimates.

### MEETING STATISTICS:

Below are the meeting statistics through December 9, 2008. Meeting statistics are a leading indicator for expenses:

2008 Meeting Statistics						
Month	Event	WEQ	WGQ	Retail	Joint	Board
January	Meetings/Hours	8/39	6/29	2/9.5	5/28	0/0
	Conf. Calls/Hours	9/34	1/2	1/3	4/5	0/0
February	Meeting/Hours	6/33	4/18.5	0/0	2/6	0/0
	Conf. Calls/Hours	5/27	2/7	1/6	0/0	0/0
March	Meeting/Hours	7/38	5/25	1/2	1/6	3/9
	Conf. Calls/Hours	7/24	0/0	1/6	3/4	0/0
April	Meeting/Hours	3/18	4/19.5	0/0	4/21	0/0
	Conf. Calls/Hours	13/54.5	0/0	0/0	1/2	0/0
May	Meeting/Hours	6/34	4/19	5/21	1/5	0/0
	Conf. Calls/Hours	9/43	0/0	0/0	1/1	0/0
June	Meeting/Hours	6/42	6/32	5/21.5	1/7	2/5
	Conf. Calls/Hours	6/32	7/3	1/5	0	0
July	Meeting/Hours	5/27	3/15	3/9	2/8	0
	Conf. Calls/Hours	11/11.5	7/15.5	0	2/5.5	0
August	Meeting/Hours	4/20	3/13	0	0	1/7
	Conf. Calls/Hours	4/12	0	0	2/3	0
September	Meeting/Hours	4/26	2/5.5	1/2	3/17	4/14
	Conf. Calls/Hours	5/20	0	2/6	0	1/1
October	Meeting/Hours	2/12	5/28.5	2/10.5	1/8	0
	Conf. Calls/Hours	7/27	3/6.5	0	1/1.5	0
November	Meeting/Hours	6/37	5/24.5	4/13	3/13.5	0
	Conf. Call/Hours	2/6	2/4.5	0	0	0
December	Meeting/Hours	5/25	2/12	1/2	1/7	2/5
	Conf. Call/Hours	3/13	2/3.5	2/6	4/4.5	0
<b>Total</b>	<b>Meetings/Hours</b>	<b>62/351</b>	<b>49/241.5</b>	<b>24/90.5</b>	<b>24/126.5</b>	<b>12/40</b>
	<b>Conf. Calls/Hours</b>	<b>81/304</b>	<b>24/42</b>	<b>8/32</b>	<b>18/26.5</b>	<b>1/1</b>



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### MEETING STATISTICS:

Purchase of products is a factor in non-dues revenue and since September 30, 2008 reflects an increase in the fees cost to non-members:

#### Purchases of NAESB Products as of November 30, 2008

Product	J	F	M	A	M	J	J	A	S	O	N	D	Total
NAESB Home Page Access for Password Protected Area (\$3500)	0	0	1	0	0	0	0	0	1	0	0		2
NAESB WGQ / REQ / RGQ Internet Electronic Transport Manual, Version 1.0 (\$150/\$900)	0	0	0	0	0	0	0	0	0	0	0		0
WGQ Printed NAESB Business Practice Standards Booklet (1 of 2 or 2 of 2) (Version 1.7) (\$100) <i>NO LONGER SOLD</i>	3	0	0	0	0	0	0	0	1	0	0		4
WGQ Printed NAESB Business Practice Standards Booklet (1 of 2 or 2 of 2) (Version 1.8) (\$100) <i>NO LONGER SOLD</i>	1	0	0	2	0	0	0	0	0	0	0		3
Retail Base Contract for Sales/Purchase of Natural Gas/Electricity (\$50)	0	0	0	0	0	1	1	3	0	0	0		5
WGQ Base Contract for Sales/Purchases of Natural Gas/FTAA/OBA (Version 1.7) (\$50 ea)	0	0	0	2	0	0	0	0	0	0	0		2
WGQ Base Contract for Sales/Purchases of Natural Gas/FTAA/OBA (Version 1.8) (\$50 ea)	6	3	13	7	8	8	8	4	6	1	4		68
WGQ Electronic CD-Rom of Standards Manuals (Versions other than 1.7) (\$200)	0	0	0	1	0	0	0	0	0	0	1		2
WGQ Electronic CD-Rom of Standards Manuals (Version 1.7) (\$150/\$900)	3	0	0	0	0	0	1	1	0	0	0		5
WGQ Electronic CD-Rom of Standards Manuals (Version 1.8) (\$150/\$900)	9	2	4	2	1	0	1	2	0	0	4		25
WEQ Printed NAESB Business Practice Standards Booklet (\$100) <i>NO LONGER SOLD</i>	2	0	1	0	0	1	1	2	0	0	0		7
WEQ Electronic CD-Rom of Standards Manuals (\$150/\$900)	1	2	1	1	1	0	1	2	1	2	1		13
NAESB WGQ Contracts Course/ eTariff Workshop CD-Rom	0	0	0	19	0	0	0	0	0	64	53		136
NAESB WGQ Version 1.8 (Advanced Release of Final Actions) (\$50)	0	0	0	0	0	0	0	0	0	0	0		0
Printed REQ/RGQ Model Business Practices Booklet (\$100) <i>NO LONGER SOLD</i>	0	0	0	0	0	0	0	0	0	0	0		0
NAESB REQ/RGQ Model Business Practices CD-Rom (\$150/\$900)	0	0	0	0	0	0	0	1	0	0	0		1
<b>Total</b>	<b>25</b>	<b>7</b>	<b>20</b>	<b>34</b>	<b>10</b>	<b>10</b>	<b>13</b>	<b>15</b>	<b>9</b>	<b>67</b>	<b>63</b>		<b>273</b>



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### MEMBERSHIP:

The revenue stream for NAESB is predominantly through membership dues. Below is a month-by-month accounting of the change in membership:

- **January 31, 2008:** Membership in January is 341. Membership by quadrant is: 129 (WGQ), 26 (REQ), 27 (RGQ), 159 (WEQ). Year to date, we have had six new memberships (3 – WEQ, 0 – REQ, 1 – RGQ, 2 – WGQ) and one member resignation (0 – WGQ, 0 – REQ, 0 – RGQ, 1 - WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In January we saw six members join, British Columbia Transmission Corporation (Rohan Solsby) Wholesale Electric Quadrant, Transmission Segment, Fed Sub-segment, Entegra Power Group, LLC (Rebecca Turner) Wholesale Electric Quadrant, Generation Segment, Merchant Sub-segment, Energy South Midstream, Inc. (Russell Murrell) Wholesale Gas Quadrant, Services Segment, Foothills Energy Ventures, LLC (Marty Patterson) Wholesale Gas Quadrant, Producers Segment, San Diego Gas & Electric Company (Patricia vanMidde) Wholesale Electric Quadrant, Transmission Segment, IOU Sub-segment, and Vectren Retail, LOC (Tami Wilson) Retail Gas Quadrant, Supplier Segment. We had one member resignation Florida Reliability Coordinating Council (Linda D. Campbell) Wholesale Electric Quadrant, Transmission Segment, At-Large Sub-segment.
- **February 28, 2008:** Membership in February is 338. Membership by quadrant is: 129 (WGQ), 26 (REQ), 24 (RGQ), 159 (WEQ). Year to date, we have had nine new memberships (5 – WEQ, 0 – REQ, 1 – RGQ, 3 – WGQ) and seven member resignations (1 – WGQ, 0 – REQ, 3 – RGQ, 3 - WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In February, we saw three members join, OGE Energy Resources, Inc. (Cary Metz) Wholesale Gas Quadrant, Services Segment, Public Poser Council (Nancy Baker) Wholesale Electric Quadrant, Distribution Segment, Muni/Coop Sub-segment, and Santee Cooper (Tom Abrams) Wholesale Electric Quadrant, Transmission Segment, Fed Sub-segment. We had six member resignations Conectiv Energy Supply, Inc. (Gloria Ogenyi) Wholesale Electric Quadrant, Marketer Segment, IOU Sub-segment, Center Point Energy Minnegasco (Tracy Bridge) Retail Gas Quadrant, Supplier Segment, Ohio Consumers Council (Wilson Gonzalez, Wholesale Electric Quadrant, End User Segment, Comret Sub-segment, Energy Services Group, Inc. (George Behr) Retail Gas Quadrant, Services Segment, HS Resources Inc. (Carol Hall) Wholesale Gas Quadrant, Pipeline Segment, and Public Service Electric & Gas Company (Terrence Moran) Retail Gas Quadrant, Distribution Segment.
- **March 31, 2008:** Membership in March is 337. Membership by quadrant is: 129 (WGQ), 26 (REQ), 24 (RGQ), 158 (WEQ). Year to date, we have had nine new memberships (5 – WEQ, 0 – REQ, 1 – RGQ, 3 – WGQ) and eight member resignations (1 – WGQ, 0 – REQ, 3 – RGQ, 4 - WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In March, we had no members join. We had one member resignation Chevron Texaco Energy Research (Carol Guthrie) Wholesale Electric Quadrant, End User Segment, Sgen Sub-segment.
- **April 31, 2008:** Membership in April is 326. Membership by quadrant is: 128 (WGQ), 24 (REQ), 20 (RGQ), 154 (WEQ). Year to date, we have had nine new memberships (5 – WEQ, 0 – REQ, 1 – RGQ, 3 – WGQ) and 19 member resignations (4 – WGQ, 2 – REQ, 7 – RGQ, 6 - WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In April, we had no members join. We had 11 member resignations, Imperial Irrigation District (Juan Carlos Sandoval and Javier Esparza) Wholesale Electric Quadrant, Transmission Segment, Muni/Coop Subsegment, J.P. Morgan Ventures Energy Co. (Ike Gibbs) Wholesale Gas Quadrant, Services Segment, Michigan Electric Transmission company (Charles V. Waits) Wholesale Electric Quadrant, Transmission Segment, ITC Subsegment, UBS Energy LLC (Suzanne Calcagno) Wholesale Gas Quadrant, Services Segment, Indiana Office of Utility Consumer (Matthew Parsell) Retail Gas Quadrant, End User Segment, Niagara Mohawk (James Dillon) Retail Gas Quadrant, Distribution Segment, UBS Energy LLC (Suzanne Calcagno) Retail Gas Quadrant, Supplier Segment, Wal-Mart Stores, Inc. (Angela Beehler) Retail Electric Quadrant, End User Segment, Florida Reliability Coordinating Council (Ken Wiley) Wholesale Gas Quadrant, End User Segment.
- **May 30, 2008:** Membership in May is 326. Membership by quadrant is: 129 (WGQ), 24 (REQ), 20 (RGQ), 153 (WEQ). Year to date, we have had ten new memberships (5 – WEQ, 0 – REQ, 1 – RGQ, 4 – WGQ) and 20 member resignations (4 – WGQ, 2 – REQ, 7 – RGQ, 7 - WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In May, we saw one member join, Vega Energy Partners, Ltd. (Julie Pincus) Wholesale Gas Quadrant, Services Segment. We had 1 member resignation, Oncor (Debbie McKeever) Wholesale Electric Quadrant, Transmission Segment, IOU Sub segment.
- **June 30, 2008:** Membership in June is 323. Membership by quadrant is: 129 (WGQ), 23 (REQ), 20 (RGQ), 151 (WEQ). Year to date, we have had 12 new memberships (6 – WEQ, 1 – REQ, 1 – RGQ, 4 – WGQ) and 24 member resignations (4 – WGQ, 4 – REQ, 7 – RGQ, 9 – WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157



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(WEQ)). In June, we saw two new members join, ICF International (David Pickles) Retail Electric Quadrant, Services Segment and Westar Energy, Inc. (Shah Hossain) Wholesale Electric Quadrant, Generation Segment, IOU Sub-segment. We had 4 member resignations, Maryland People's Counsel (Seva Diakoparaskevas) Wholesale Electric Quadrant, End User Segment, Compret Sub-segment, Gulf Power Company (J. Thomas Kilgore) Retail Electric Quadrant, Distribution Segment, Mississippi Power Company (Dorman Davis) Retail Electric Quadrant, Distribution Segment, and Constellation Energy (Michael Gildea) Wholesale Electric Quadrant, Generation Segment, Merchant Sub-segment.

- **July 31, 2008:** Membership in July is 324. Membership by quadrant is: 130 (WGQ), 23 (REQ), 20 (RGQ), 151 (WEQ). Year to date, we have had 14 new memberships (6 – WEQ, 1 – REQ, 1 – RGQ, 6 – WGQ) and 26 member resignations (5 – WGQ, 4 – REQ, 7 – RGQ, 10 – WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In July, we saw two new members join, Goodrich Petroleum Company, LLC (Bill Hebenstreit) Wholesale Gas Quadrant, Services Segment and Noble Energy, Inc. (Richard D. Smith) Wholesale Gas Quadrant, Producer Segment. We had two member resignations Equitable Gas Company (Steve Rafferty) Wholesale Gas Quadrant, LDC Segment and Sacramento Municipal Utility District (W. Shannon Black) Wholesale Electric Quadrant, Generation Segment, Muni/Coop Sub-segment.
- **August 31, 2008:** Membership in August is 326. Membership by quadrant is: 130 (WGQ), 24 (REQ), 20 (RGQ), 152 (WEQ). Year to date, we have had 16 new memberships (7 – WEQ, 2 – REQ, 1 – RGQ, 6 – WGQ) and 26 member resignations (5 – WGQ, 4 – REQ, 7 – RGQ, 10 – WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In August, we saw two new members join, North Carolina Advanced Energy Corporation (Robert K. Koger) Retail Electric Quadrant, Supplier Segment and Black Hills Corporation (Larry D. Williamson) Wholesale Electric Quadrant, Transmission Segment, IOU Sub-segment. We had no member resignations for the month of August.
- **September 30, 2008:** Membership in September is 322. Membership by quadrant is: 129 (WGQ), 22 (REQ), 20 (RGQ), 151 (WEQ). Year to date, we have had 16 new memberships (7 – WEQ, 2 – REQ, 1 – RGQ, 6 – WGQ) and 30 member resignations (6 – WGQ, 6 – REQ, 7 – RGQ, 11 – WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In September, we had no members join. We had 4 member resignations Salt River Project Agricultural Improvement & Power District (Wendy Weathers and Mark B. Bonsall) Wholesale Electric Quadrant, Distribution Segment, Other Sub-segment, TXU Energy Retail (Felecia Lokey) Retail Electric Quadrant, Supplier Segment, ista North America (Charles Porter) Retail Electric Quadrant, Supplier Segment, and National Grid USA (Bruce Garcy) Wholesale Gas Quadrant, LDC Segment.
- **October 30, 2008:** Membership in October is 325. Membership by quadrant is: 133 (WGQ), 23 (REQ), 20 (RGQ), 149 (WEQ). Year to date, we have had 21 new memberships (7 – WEQ, 3 – REQ, 1 – RGQ, 10 – WGQ) and 32 member resignations (6 – WGQ, 6 – REQ, 7 – RGQ, 13 – WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In October, we saw five new members join, Advantage IQ, Inc. (Suzanne Figy) Retail Electric Quadrant, End User Segment, Devon Energy Corporation (Bill Green) Wholesale Gas Quadrant, Producer Segment, Husky Energy Marketing, Inc. (Jan Bindon) Wholesale Gas Quadrant, Producer Segment, Husky Gas Marketing, Inc. (Jan Bindon) Wholesale Gas Quadrant, Producer Segment, and Husky Marketing and Supply Company (Jan Bindon) Wholesale Gas Quadrant, End User Segment. We had two member resignations, Alleghany Energy, Inc. (Terri Grabiak) Wholesale Electric Quadrant, Transmission Segment, IOU Sub segment and American Transmission Company LLC (Flora Flygt and Kait Janu) Wholesale Electric Quadrant, Transmission Segment, ITC Sub segment.
- **November 30, 2008:** Membership in November is 325. Membership by quadrant is: 132 (WGQ), 23 (REQ), 20 (RGQ), 150 (WEQ). Year to date, we have had 22 new memberships (8 – WEQ, 3 – REQ, 1 – RGQ, 10 – WGQ) and 33 member resignations (7 – WGQ, 6 – REQ, 7 – RGQ, 13 – WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). In November, we saw one new member join, American Wind Energy, Inc. (Robert Gramlich) Wholesale Electric Quadrant, Generation Segment, Merchant Subsegment. We had one member resignation EnergySouth Midstream, Inc. (Russell Murrell) Wholesale Gas Quadrant, Services Segment.
- **December 9, 2008:** Membership to date is 326. Membership by quadrant is: 133 (WGQ), 23 (REQ), 20 (RGQ), 150 (WEQ). Year to date, we have had 23 new memberships (8 – WEQ, 3 – REQ, 1 – RGQ, 11 – WGQ) and 33 member resignations (7 – WGQ, 6 – REQ, 7 – RGQ, 13 – WEQ). We began the year with 336 members (127 (WGQ), 26 (REQ), 26 (RGQ), 157 (WEQ)). As of December 9, we saw one new member join, JP Morgan Ventures Energy Corporation (Paul Tramonte) Wholesale Gas Quadrant, Producer Segment. We had no member resignations.



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Changes in membership are the key contributor to revenue shifts for NAESB. The membership as of December 9, 2008 is summarized by quadrant and segment as follows:

NAESB Membership Report - Quadrant/Segment Membership Analysis		Number of Members
<b>WGQ Segments</b>	<b>TOTAL</b>	<b>133</b>
	End Users	18
	Distributors	23
	Pipelines	40
	Producers	17
	Services	35
<b>REQ Segments</b>	<b>TOTAL</b>	<b>23</b>
	End Users	3
	Distributors	10
	Services	6
	Suppliers	4
<b>RGQ Segments</b>	<b>TOTAL</b>	<b>20</b>
	End Users	1
	Distributors	9
	Services	5
	Suppliers	5
<b>WEQ Segments</b>	<b>TOTAL</b>	<b>150</b>
	End Users	7
	Distributors	26
	Transmission	44
	Generation	31
	Marketers	31
	None Specified	1
	Independent Grid Operators/Planners	10



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### NAESB Membership Statistics – Changes by Quadrant for 2008 as of December 9, 2008

WEQ	New Members:	7
	<i>British Columbia Transmission Corporation, Entegra Power Group, LLC, Public Power Council, San Diego Gas &amp; Electric Company, Santee Cooper, Westar Energy, Inc., Black Hills Corporation</i>	
	Member Resignations:	12
	<i>Conectiv Energy Supply, Inc., Dept. of the Interior – U.S. Bureau of Reclamation, Florida Reliability Coordinating Council, Ohio Consumers Council, ChevronTexaco Energy Research, Imperial Irrigation District, Michigan Electric Transmission Company, Oncor, Maryland People’s Counsel, Constellation Energy, Sacramento Municipal Utility District, Salt River Project Agricultural Improvement &amp; Power District,</i>	
WGQ	New Members:	6
	<i>EnergySouth Midstream, Inc., Foothills Energy Ventures, LLC, OGE Energy Resources, Inc., Vega Energy Partners, Ltd., Goodrich Petroleum Company, LLC, Noble Energy, Inc.</i>	
	Member Resignations:	7
	<i>HS Resources, Inc., Vega Energy Partners, Ltd., J.P. Morgan Ventures Energy Co., UBS Energy LLC, Florida Reliability Coordinating Council, Equitable Gas Company, Reliance Gas Transportation Infrastructure Limited</i>	
REQ	New Members:	2
	<i>ICF International, North Carolina Advanced Energy Corporation</i>	
	Member Resignations:	4
	<i>Wal-Mart Stores, Inc., Mississippi Power Company, Gulf Power Company, TXU Energy Retail</i>	
RGQ	New Members:	1
	<i>Vectren Retail, LLC</i>	
	Member Resignations:	6
	<i>Center Point Energy Minnegasco, Energy Services Group, Inc., Public Service Electric &amp; Gas Company, Indiana Office of Utility Consumer, Niagara Mohawk, UBS Energy LLC,</i>	
TOTAL	New Members	16
	Member Resignations:	29



## North American Energy Standards Board

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### FINANCIAL REPORT YEAR-TO-DATE – ACCRUAL BASED, AS OF 10-31-08

#### BALANCE SHEET

Assets	
Current Assets	\$363,395.34
Accounts Receivable	\$673,300.00
Fixed Assets	\$49,642.34
Other Assets	\$10,277.94
Total Assets	\$1,096,615.62
Liability & Equity	
Deferred Revenue	\$1,156,583.32
Accounts Payable	\$21,477.20
Retained Earnings	(\$256,160.71)
Net Income	\$174,715.81
Total Liability and Equity	\$1,096,615.62

#### INCOME AND EXPENSE

Income	\$1,659,755.55
Expense	\$1,485,039.74
Net Income	\$174,715.81

#### INCOME AND EXPENSES TO BUDGET - YTD

2008 YTD Budget for Income	\$1,752,550.00
Income Variance	(\$92,794.45)
2008 YTD Budget for Expenses	\$1,462,716.44
Expenses Variance	(\$22,323.30)
Net Income Variance	(\$115,117.75)

#### YEAR END ANALYSIS

2008 Budget for Expenses	\$1,731,147.00
2008 Budget for Revenue	\$1,769,900.00
Revenue YTD Actual	\$1,659,755.55
Remaining Revenue Estimated through YE	(\$7,883.84)
Estimated YE Revenue	\$1,651,871.71
Expenses YTD Actual	\$1,485,039.74
Remaining Expenses Estimated through YE	\$268,000.00
Estimated YE Expenses	\$1,753,039.74
Estimated YE Net Income Variance	(\$101,168.03)



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### FINANCIAL REPORT YEAR-TO-DATE – ACCRUAL BASED, AS OF 10-31-08

#### CASH BASIS ANALYSIS

Beginning Balance 1-1-08	\$498,320
Total Cash Income	\$1,361,653
Total Costs	\$1,499,738
Ending Balance 10-31-08	\$360,236

#### ACCOUNTS RECEIVABLE ANALYSIS

Accounts Receivable	\$673,300
Items 91 Days or more Outstanding	\$60,500
Items 61-90 Days Outstanding	\$45,500
Items 31-60 Days Outstanding	\$20,000
Items 30 Days Outstanding or Less	\$40,300
2009 Billings	\$507,000

North American Energy Standards Board  
2008 Proposed Budget

	YTD Actuals as of Oct	2008 Est YE Actuals	2008 Budget	2008YE - Budget Difference	2009 Budget	2009 Budget -2008YE Difference
<b>Revenue (Income - Cost of Sales)</b>						
Membership Based	\$1,557,541.71		\$1,700,000.00		\$1,688,813.48	
Non-Dues Revenue	\$102,213.84		\$69,900.00		\$140,330.00	
<b>Total Revenue</b>	<b>\$1,659,755.55</b>	<b>\$1,651,871.71</b>	<b>\$1,769,900.00</b>	<b>(\$118,028.29)</b>	<b>\$1,829,143.48</b>	<b>\$177,271.77</b>
<b>Expense</b>						
Total Salaries, Benefits, Taxes	\$748,144.43		\$910,000.00		\$900,508.79	
Office Rents & Parking	\$122,854.09		\$126,000.00		\$141,600.00	
Office Expenses	\$63,034.84		\$78,500.00		\$82,200.00	
Telecommunications	\$77,350.08		\$80,000.00		\$84,000.00	
Travel and Meetings	\$307,196.98		\$335,000.00		\$300,000.00	
Publications/Mailings/Printing	\$51,252.32		\$69,300.00		\$63,600.00	
Outside Services	\$107,689.83		\$123,400.00		\$140,000.00	
Insurance, Taxes, Fees	\$7,517.17		\$8,947.00		\$8,818.00	
<b>Total Expense</b>	<b>\$1,485,039.74</b>	<b>\$1,753,039.74</b>	<b>\$1,731,147.00</b>	<b>\$21,892.74</b>	<b>\$1,720,726.79</b>	<b>(\$32,312.95)</b>
<b>Net Income</b>	<b>\$174,715.81</b>	<b>(\$101,168.03)</b>	<b>\$38,753.00</b>		<b>\$108,416.69</b>	<b>\$209,584.72</b>
<b>Expenses YTD October</b>						
Expected Expenses for Nov-Dec	\$1,485,039.74					
<b>YE 2008 Est Expenses</b>	<b>\$1,753,039.74</b>					
<b>Revenue YTD October</b>	<b>\$1,659,755.55</b>					
Expected Revenue for Nov-Dec	(\$7,883.84)					
<b>YE 2008 Est Revenue</b>	<b>\$1,651,871.71</b>					
<b>YE 2008 Net Income</b>	<b>(\$101,168.03)</b>					
<b>Retained Earnings History:</b>						
Retained Earnings from 2005	(\$371,826.45)					
Retained Earnings from 2006	(\$276,538.11)					
Retained Earnings from 2007	(\$256,160.71)					
Expected Retained Earnings 2008	(\$377,706.14)					
Estimated Retained Earnings 2009	(\$269,289.45)					



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December 9, 2008

**TO:** NAESB Resources committee  
**FROM:** Rae McQuade, NAESB President and COO  
**RE:** Membership Analysis, Vacancies on the Board and EC, Membership Prospects – Revised December 9, 2008

via email

Dear NAESB Resources Committee:

This report has several parts, all of which should provide information to support the committee as it determines actions to take to solicit participation and membership in NAESB. We truly appreciate your efforts in helping grow our organization --

Best Regards,  
*Rae*

Enclosures:

- (1) Resources Committee Roster
- (2) Membership Prospects: (a) short-term, (b) wind generators, (c) groups, (d) long-term.
- (3) New Members in 2006, 2007, and 2008
- (4) Member Resignations in 2006, 2007, and 2008
- (5) Vacancies on the Board and Executive Committee
- (6) Membership Roster Sorted by Company



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Attachment 1

### North American Energy Standards Board Board Resources Committee Roster

Quadrant	Contact and Company	Phone	Email
WEQ	Jeff Ackerman, Western Area Power Administration	970-240-6209	<a href="mailto:ackerman@wapa.gov">ackerman@wapa.gov</a>
WEQ	Scott Brown, Exelon Corporation	202-347-8096	<a href="mailto:scott.brown@exeloncorp.com">scott.brown@exeloncorp.com</a>
WEQ	Michael Desselle, Southwest Power Pool	501-614-3206	<a href="mailto:mddesselle@spp.org">mddesselle@spp.org</a>
WEQ	Bruce Ellsworth, New York State Reliability Council	603-746-3447	<a href="mailto:ellsworth@conket.com">ellsworth@conket.com</a>
WGQ	Bill Hebenstreit, Goodrich Petroleum Company, LLC	832-399-3180	<a href="mailto:bill_heben@hotmail.com">bill_heben@hotmail.com</a>
REQ	Ruth Kiselewich, Baltimore Gas & Electric	410-470-1361	<a href="mailto:ruth.c.kiselewich@bge.com">ruth.c.kiselewich@bge.com</a>
REQ	David Koogler, Dominion Virginia Power	804-771-3429	<a href="mailto:David_koogler@dom.com">David_koogler@dom.com</a>
RGQ	Greg Lander, Commerce Energy Group	978-535-7500	<a href="mailto:glander@skippingstone.com">glander@skippingstone.com</a>
WEQ	Ron Mucci, Ron Mucci Consulting, LLC (representing Entegra Power Group, LLC)	713- 550-6756	<a href="mailto:ron.mucci@yahoo.com">ron.mucci@yahoo.com</a>
WGQ	Mike Novak, National Fuel Gas Distribution	716-857-7884	<a href="mailto:novakm@natfuel.com">novakm@natfuel.com</a>
WGQ	Jim Templeton, Comprehensive Energy Services	713-759-6999	<a href="mailto:jtemplton@aol.com">jtemplton@aol.com</a>
WEQ	Roy True, Aces Power Marketing	317-344-7203	<a href="mailto:royt@acespower.com">royt@acespower.com</a>



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Attachment 2a

### NAESB Membership Prospects – Short Term, Individual Companies and Organizations

Membership Prospects	Source	Contact/Notes	Assignment
AARP			S. Brown, J. Ackerman
Accenture	R. McQuade	John Bartley – sent membership packet 6/26/08.	D. Rager
✓ Advantage IQ, Inc.	office	Suzanne Figy– sent information 7/15/08 via email. Application received 9/4/08. – <i>HAS JOINED</i>	D. Rager
✓ Black Hills Corporation	office	Larry D. Williamson – submitted application 8/7/08 – <i>HAS JOINED</i>	D. Rager
Comverge			S. Brown, R. True
CURRENT Group, LLC	M. Novak	James Bolin – sent packet 2/12/2008 no response. Sent follow-up 3/10/2008 no reply to date.	D. Rager
✓ Devon Energy		Bill Green. John Bretz of Anadarko, has offered to follow up. Denise talked with Jennifer McDiffett on 5/7/08 still considering joining. Mr. Hebenstreit has followed up on numerous occasions. Last response from Bill Green on 8/6/08 still considering membership. <i>HAS JOINED</i>	B. Hebenstreit
Elster Integrated Solutions	M. Novak	Scott DeBroff – sent packet 2/12/2008 – replied with response Elster not interested at this time. He represents a number of other meter/meter technology companies – one may be interested in joining. Sent follow-up email 3/10/2008 no reply to date.	D. Rager
Energy Curtailment Specialist, Inc.	M. Novak	B. Marie Pieniazek – sent packet 2/12/2008 no response. Sent follow-up 3/10/2008 no reply to date.	D. Rager
Energy South Services, Inc.	D. Gussow	Todd Brown – sent packet as requested 7/24/07 – follow-up 10/18/07 no reply	D. Rager
EnerNOC, Inc.	M. Novak	Garrett Bissell – sent packet 2/12/2008 no response. Sent	D. Rager



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### NAESB Membership Prospects – Short Term, Individual Companies and Organizations

Membership Prospects	Source	Contact/Notes	Assignment
		follow-up 3/10/2008 no reply to date. Send information to Aaron Breidenbaugh on 12/3/08.	
Enerwise			S. Brown, R. True
✓ Goodrich Petroleum Company, LLC	B. Hebenstreit	B. Hebenstreit – received application and payment 7/14/08 – <b>HAS JOINED</b>	D. Rager
GreenSmith Energy Management Systems		Dr. Chen-Young – sent information on 12/3/08 as requested by R. McQuade	R. McQuade
Hexagram, Inc.	M. Novak	Ben Boyd – sent packet 2/12/2008 no response. Sent follow-up 3/10/2008 no reply to date.	D. Rager
✓ Husky Energy Marketing Inc.	office	Louise Preece – sent information 8/22/08 will be submitting application. Received app 8/29/08. <b>HAS JOINED</b>	D. Rager
✓ Husky Gas Marketing Inc.	office	Louise Preece – sent information 8/22/08 will be submitting application. Received app 8/29/08. <b>HAS JOINED</b>	D. Rager
✓ Husky Marketing and Supply Company	office	Louise Preece – sent information 8/22/08 will be submitting application. Received app 8/29/08. <b>HAS JOINED</b>	D. Rager
Itron	M. Novak	Richard Creegan – sent packet 2/12/2008 no response. Sent follow-up 3/10/2008 no reply to date.	D. Rager
✓ Noble Energy, Inc.	R. Smith	R. Smith – received application and payment 7/9/08 – <b>HAS JOINED</b>	D. Rager
✓ North Carolina Advanced Energy Corporation	B. Ellsworth	B. Koger– sent information 7/15/08 via email. Application received 7/29/08. – <b>HAS JOINED</b>	D. Rager
OPSI	G. Ogenyi	Raj Barua, Executive Director – sent packet 4/1/08	D. Rager
Statoil Natural Gas LOC, Statoil North America, Inc., Statoil Marketing & Trading (US) Inc.	office	Mary E. Wellman – sent packet 4/4/08	D. Rager
UIL Holding Corporation -- Connecticut Power and Light	office	Jim Torgerson, Rae has contacted regarding membership – will probably join by yearend.	R. McQuade



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Attachment 2a

### NAESB Membership Prospects – Short Term, Individual Companies and Organizations

Membership Prospects	Source	Contact/Notes	Assignment
Virginia Citizens Consumer Council	office	Irene Leech, <u>Initial contact was Dave Koogler</u> . Possible interest in membership. Material sent.	D. Rager, D. Koogler will follow up on this lead
✓ Westar Energy, Inc.	M. Desselle	Shah Hossain – 7/2008 received application and payment – <b>HAS JOINED</b>	D. Rager



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Attachment 2b

### NAESB Membership Prospects – Wind Generators

Membership Prospects	Source	Contact/Notes	Assignment
Acciona	Resource Committee		S. Brown, R. McQuade, M. Desselle
American Wind Energy Assoc.		<b>Has Joined –October 2008</b>	R. McQuade, M. Desselle
Horizon	Resource Committee		S. Brown, R. McQuade, M. Desselle
Iberdola	Resource Committee		S. Brown, R. McQuade, M. Desselle
John Deere Wind	Resource Committee		R. True
Gamesa	Resource Committee		S. Brown



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Attachment 2c

### NAESB Membership Prospects – Groups

Membership Prospects	Source	Contact/Notes	Assignment
End Users	Resources Committee	Should hold meetings with John Anderson for ideas after we begin the sessions for ISOs and RTOs.	S Brown/M Desselle
ISOs and RTOs (ISO-NE, NYISO, AESO, IESO, CAISO, PJM)	Board action	Letter sent in April asking for membership and participation. They responded in June with interest. We have set up a meeting to discuss participation and membership on August 24 in Washington, D.C.	S Brown/M Desselle
California ISO (CASIO) – Contact: Yakout Mansour		<b>Has Joined – February 2007</b>	
Independent Electricity System Operator (IESO) – Contacts: Ron Falsetti and David Short		<b>Has Joined – March 2007</b>	
New York Independent System Operator, Inc. (NYISO) – Contacts: Michael Calimano and Mark S. Lynch		<b>Has Joined – February 2007</b>	
TranServ International, Inc. – Contact: Kevin Burns		<b>Has Joined – February 2007</b>	
PJM Interconnection – Contact: Alicia Daugherty		<b>Has Joined – March 2007</b>	
Alberta Electric System Operator – Contact: Diana Pommen		<b>Has Joined – March 2007</b>	
ISO New England, Inc. – Contact: Matthew F. Goldberg		<b>Has Joined – March 2007</b>	
Munis and Coops	Resources Committee	R. True will approach APPA and NRECA about opportunities to speak about NAESB to raise awareness and increase interest in membership. Mr. True followed up with APPA but will provide the NAESB office with a more up to date calendar prior of APPA events prior to the next meeting.	R. True
Western Groups - WECC	Resources Committee	WECC has been a member since May 2005. Conference call held with J Ackerman, B Schwermann, M Wells and L Westerfield. Meeting held on October 27 to speak to them about NAESB.	S Brown/M Desselle/R. McQuade



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Attachment 2d

### NAESB Membership Prospects – Long Term

Membership Prospects	Source	Contact/Notes	Assignment
AES Corporation - Indianapolis Power & Light Company	EEI - EPSA		
Alaska Energy and Resources Company	EEI		
ALLETE - Minnesota Power - Superior Water, Light and Power	EEI		
Alliant Energy Corporation - Interstate Power and Light Co - Wisconsin Power and Light Co	EEI		
Arizona Corporation Commission	NERC		
Avista Utilities	EEI		
Big Rivers Electric Corp.	NERC		
<b>Black Hills Corporation - Black Hills Power</b>	<b>EEI</b>	<i>Has Joined</i>	
<b>British Columbia Transmission Corporation</b>	<b>NERC</b>	<i>Has Joined</i>	
Central Vermont Public Service Corporation	EEI		
CH Energy Group, Inc. - Central Hudson Gas & Electric Corp	EEI		
Clarksdale Public Utilities Commission	NERC		
DPL Inc. - The Dayton Power and Light Company	EEI		
Duquesne Light Holdings - Duquesne Light Company	EEI		S. Brown
East Kentucky Power Coop.	NERC		
El Paso Electric Company	EEI		M. Desselle
Electric Energy, Inc.	EEI		
Electric Power Research Institute	NERC		
Electric Power Supply Association	NERC		
Farmington Electric Utility System	NERC		
Goldman Sachs & Co.	EPSA		S. Brown
Great Plains Energy, Inc. - Kansas City Power & Light Company	EEI		M. Desselle
Great River Energy	NERC		
GridAmerica LLC	NERC		
Hawaiian Electric Industries, Inc. - Hawaii Electric Light Co., Inc. - Maui Electric Co., Ltd.	EEI		
Huntsville Utilities	NERC		
InterGen	EPSA		
Kansas City Board of Public Utilities	NERC		
Manitoba Hydro	NERC		
MDU Resources Group, Inc. - Montana-Dakota Utilities Co.	EEI		



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Attachment 2d

### NAESB Membership Prospects – Long Term

Membership Prospects	Source	Contact/Notes	Assignment
MGE Energy, Inc. - Madison Gas and Electric Co.	EEI		
Missouri Office of Public Counsel	NERC		
Mt. Carmel Public Utility Company	EEI		
National Energy & Gas Transmission Inc.	EPSA		
National Energy Board	NERC		
Nebraska Public Power District	NERC		
Northeast Power Coordinating Council			M Desselle
Northern Star Generation Co. -- NSTAR	EPSA-EEI		
NorthWestern Corporation - NorthWestern Energy	EEI		
Nuclear Management Company, LLC	EEI		
<b>OGE Energy Corporation - OG&amp;E Electric Services</b>	<b>EEI - NERC</b>	<b>Has Joined</b>	M. Desselle
Ohio Public Utilities Commission	NERC		
Ohio Valley Electric Corporation	EEI		
Omaha Public Power District	NERC		
Ontario Energy Board	NERC		
Pennsylvania Public Utility Commission	NERC		
Pepco Holdings, Inc. - Pepco	EEI		
Pinnacle West Capital Corporation -- (APS)	EEI		
PNM Resources, Inc. - Public Service Co of New Mexico	EEI		
Praxair, Inc.	NERC		
Quebec Energy Board	NERC		
Shell Trading	EPSA		S. Brown
Sierra Pacific Resources - Nevada Power Company - Sierra Pacific Power Company	EEI		
Sithe Energies Inc.	EPSA		
Snohomish County PUD No.1	NERC		
Strategic Energy LLC	EPSA		
TECO Energy, Inc. - Tampa Electric Company	EEI		S. Brown
TNP Enterprises, Inc. - Texas-New Mexico Power Company	EEI		
TransAlta	NERC		
Trans-link			M Desselle
UIL Holdings Corporation - The United Illuminating Company	EEI		
UniSource Energy Corporation - Tucson Electric Power Company	EEI		



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Attachment 2d

NAESB Membership Prospects – Long Term

Membership Prospects	Source	Contact/Notes	Assignment
Utah Public Service Commission	NERC		
Vermont Electric Power Company, Inc.	EEI		
<b>Westar Energy Inc.</b>	<b>EEI</b>	<i>Has Joined</i>	M. Desselle
Wheelabrator Technologies Inc.	EPSA		
Wolf Creek Nuclear Operating Corporation	EEI		



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Attachment 3

### North American Energy Standards Board New Members since January 2006

Quadrant	Segment	Contact and Company	Reason Joined	Month Joined
WEQ	Generation	Allegheny Energy, Inc. – Terry Grabiak	Run for Board seat – Terri Grabiak	October
WGQ	LDC	American Public Gas Association (APGA) – Alonzo Weaver	Company participation	November
WEQ	Generation	California Department of Water Resources – William (Bill) Forsythe	Company participation	September
WGQ	Services	Cheniere LNG Marketing, Inc. - Mark Stubbe and Tammy Miller	Stan Horton, new marketing company	February
WGQ	Services	Citigroup Energy, Inc. – Carrie Southard and Angela Davis	Access to Standards, Models and Contracts	October
WEQ	Marketer/Broker	Coral Power, LLC - Robert Reilley	Company participation	December
WGQ	Services	Coral Energy Resources, LP - Eric Gillaspie	Company participation	December
WEQ	Generation	Deseret Generation & Transmission Co-operative – Curtis Winterfeld	Barry Lawson, interest in NAESB WEQ Board seat	July
WGQ	Services	DTE Energy Trading, Inc. - Miki Kolobara	Company participation on the gas side	May
REQ	Distributor	Duke Energy Corp. – Dan Jones	Company participation	December
WEQ	Marketer/Broker	Electric Power Supply Association (EPSA) – Mark Bennett	Participation and run for Board seat	December
WEQ	Transmission	First Energy Service Company - Robert M. Martinko and Thomas C. Burgess	Participation	December
WGQ	End User	FPL Energy Power Marketing, Inc. – Michael Jessop	Access to Standards, Models and Contracts	September
WGQ	Services	Hess Corporation – Rebecca Batchelder	Company participation and access to standards and contracts	November
WEQ	Transmission	Hydro One Networks - Mark Graham	No reason given at this time	April
RGQ	Supplier	Interstate Gas Supply - Elizabeth Clothier	Company participation on the gas side	May
WGQ	Services	J.P. Morgan Ventures Energy Corp. – Ike Gibbs	Company participation and access to standards and contracts	September
WGQ	Services	Lehman Brothers Commodity Services Inc.- David Perlman	Company participation	December
WEQ	Generation	Lincoln Electric System – Douglas Bantam	Company participation	December
WGQ	Services	Macquarie Cook Energy, LLC - Angela Jones	No reason given at this time	May
WEQ	Marketer/Broker	MidAmerican Energy Company - Norman B. Stratton	No reason given at this time	August
WGQ	End User	Mirant Energy Trading, LLC - Laura Trautman	Scott Brown	April



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Attachment 3

### North American Energy Standards Board New Members since January 2006

		and Nicole Daggs		
WGQ	Services	ONEOK - Patricia Anderson	Company participation on the gas side	May
WGQ	Services	Pemex Gas Y Petroquimica Basica - Juan Enrique Gonzalez Azuara	Rejoined after difficulties with accounting systems in Pemex	July
WEQ	Marketer	Powerex Corp. - Michael L. McWilliams	Access to Standards, Models and Contracts	May
WEQ	Generation	Reliant Energy Services – Gary A. Hinners	Access to Standards, Models and Contracts	October
WEQ	Marketer/Broker	Salt River Project Agricultural Improvement and Power District - Mark S. Mitchell	Participation and run for Board seat	December
WEQ	Transmission	Sierra Pacific Resources – Patricia Englin	No reason given at this time	November
WEQ	Transmission	South Carolina Electric & Gas Company - S. Porcher Stoney	Company participation on the electric side	January
WEQ	Marketer	South Carolina Electric & Gas Company	No reason given at this time	August
WEQ	Marketer	SUEZ Energy Marketing NA, Inc. - Ken Lackey and Cesar Seymour	Company needed access to documents	February
REQ	Distribution	TXU Electric Delivery - Tommy Weathersbee and Debbie McKeever	ERCOT references of NAESB and Debbie McKeever	January
WGQ	Services	Vega Energy Partners, Ltd. – Lori Leeder	Access to Standards, Models and Contracts	September

\*\* Membership dues not yet received.



## North American Energy Standards Board

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Attachment 3

### North American Energy Standards Board New Members since January 2007

Quadrant	Segment	Contact and Company	Reason Joined	Month Joined
WEQ	IGO	Alberta Electric System Operator	Participation in new segment	March
RGQ	Services	Allegro Development – Kimberly Page	Participation.	January
WGQ	Pipeline	ANR Pipeline Company - Sandy Meyers	Participation.	January
WEQ	Marketer	APS Marketing and Trading	Participation	April
WGQ	End User	Arizona Public Service Company – Tom Carlson/Kelly Daly	Participation	November
WGQ	Services	Bentek Energy, LOC	Participation	December
WEQ	IGO	California ISO (CAISO) – Yakout Mansour	Participation in new segment.	February
WGQ	LDC	Colorado Springs Utilities – Joe M. Holmes	No reason given.	January
WGQ	Services	DB Energy Trading	Participation	August
WGQ	Pipeline	Houston Pipe Line Company LP – Jose Castrejana	Participation.	January
WEQ	IGO	Independent Electricity System Operator (IESO) – Ron Falsetti and David Short	Participation in new segment.	March
WEQ	IGO	ISO New England, Inc.	Participation in new segment	March
REQ	Services	ista North America	Participation	May
WEQ	Transmission	National Grid	Participation	April
WEQ	IGO	New York Independent System Operator, Inc. (NYISO) – Michael Calimano and Mark S. Lynch	Participation in new segment.	February
WGQ	Services	Nexen Marketing – Shelley Leavitt	No reason given.	January
WGQ	Pipeline	Northern Border Pipeline Company	Participation	August
WEQ	Transmission	Northwestern Corporation	No reason given.	May
WEQ	Marketer	NRG Energy, Inc.	Participation	September
WGQ	Pipeline	Ozark Gas Transmission, LOC	OGT joined NAESB because they are an interstate pipeline and FERC requires implementation of many NAESB standards in their tariff. OGT wanted the opportunity to know what was going on ahead of time and to comment and vote on standards. Plus the interchange of information between industry peers was attractive to them. No specific individual encouraged OGT to join.	August
WGQ	LDC	Peoples Gas Systems (A division of Tampa Electric Co.)	No reason given	June



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### North American Energy Standards Board New Members since January 2007

WEQ	IGO	PJM Interconnection	Participation in new segment	March
WEQ	Transmission	Portland General Electric	Participation	April
WEQ	Marketer	Public Service Company of New Mexico	Board participation	April
WGQ	Pipeline	Reliance Gas Transportation Infrastructure Limited	Access to standards and contracts	March
WEQ	Distribution	Seattle City Light	Participation	July
WEQ	Marketer	Sierra Pacific Resources	Decision to join was primarily driven by the FERC 890 initiatives, and our desire to keep abreast of the business practices.	July
WGQ	Services	SolArc, Inc.	Continued participation in NAESB and assisting clients	April
WGQ	End User	SUEZ Energy Marketing NA, Inc.	SEMNA wants to stay current with any new developments to the NAESB contract.	June
WEQ	End User	SunGard	Participation	July
WEQ	Marketer	Tampa Electric	Involvement in development of standards related to FERC Order 890	May
WEQ	IGO	TranServ International, Inc. – Kevin Burns	Participation in new segment	February
WGQ	Pipeline	Transwestern Pipeline Company – Blair V. Lichtenwalter, Mary Dramer, and David Mendoza	Company sold to Energy Transfer Partners, who did not operate any other interstate pipelines.	February
WEQ	Generation	Tri-State G&T Association, Inc.	No reason given	September
WEQ	Transmission	Tucson Electric Power Company	No reason given.	April
WGQ	Services	Virginia Power Energy Marketing, Inc. – Gregory V. Staton	No reason given.	February

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Quadrant	Segment	Contact and Company	Reason Joined	Month Joined
RGQ	End Users	Advantage IQ, Inc. Contact: Suzanne Figy	Participation	September
WEQ	Generation	American Wind Energy Association Contact: Robert Gramlich	Participation	October
WEQ	Transmission	Black Hills Corporation Contact: Larry D. Williamson	Participation	August
WEQ	Transmission	British Columbia Transmission Corporation Contact: Janet Fraser	Participation	January
WGQ	Producer	Devon Energy Corporation Contact: Bill Green	Participation	October
WEQ	Generation	Entegra Power Group, LLC Contact: Rebecca Turner	Participation	January
WGQ	Services	EnergySouth Midstream, Inc. Contact: Russell Murrell	Participation	January
WGQ	Producer	Foothills Energy Ventures, LLC Contact: Marty Patterson	Participation	January
WGQ	Services	Goodrich Petroleum Company, LLC Contact: Bill Hebenstreit	Participation	July
WGQ	Producer	Husky Energy Marketing, Inc. Contact: Jan Bindon	Participation	August
WGQ	End Users	Husky Marketing and Supply Company Contact: Jan Bindon	Participation	August
WGQ	Producer	Husky Gas Marketing, Inc. Contact: Jan Bindon	Participation	August
REQ	Services	ICF International Contact: David Pickles	Participation	June
WGQ	Services	JP Morgan Ventures Energy Corp Contact: Paul Tramonte	Participation	October
WEQ	Marketer	Los Angeles Department of Water and Power Contact: Michael S. Webster	Participation	<b>November**</b>
WEQ	Transmission	Los Angeles Department of Water and Power Contact: Mohammed Johar Beshir	Participation	<b>November**</b>
WGQ	Producer	Noble Energy, Inc. Contact: Richard D. Smith	Participation	July
REQ	Supplier	North Carolina Advanced Energy Corporation Contact: Robert K. Koger	Participation	July
WGQ	Services	OGE Energy Resources, Inc. Contact: Cary Metz	Participation	February



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WEQ	Distribution	Public Power Council Contact: Nancy Baker	Participation	February
WEQ	Transmission	San Diego Gas & Electric Company Contact: Patricia vanMidde	Participation	January
WEQ	Transmission	Santee Cooper Contact: Tom Abrams	Participation	February
RGQ	Supplier	Vectren Retail, LOC Contact: Tami Wilson	Participation	January
WGQ	Services	Vega Energy Partners, Ltd. ( <i>rejoined</i> )	Participation	May
WEQ	Generation	Westar Energy, Inc. Contact: Shah Hossain	Participation	June

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Attachment 4

### North American Energy Standards Board Member Resignations in 2006

Quadrant	Segment	Contact and Company	Reason Resigned	Month Resigned
WEQ	Transmission	American Electric Power Service – John Stough	No reason given for non renewal.	December
WEQ	Generation	Aquila, Inc. – Tom Saitta	No response to request for payment 12/18/06.	December
WEQ	End User	Boeing Company, Steve LaFond	Consolidating multiple memberships	February
WEQ	Generation	Calpine Corporation, William Taylor/Jim Stanton	Shifting Priorities	May
REQ	Supplier	Calpine Energy Services, LP, Janet Dixon	Contact left, company no longer interested in renewing membership	October
WGQ	End User	Cinergy	Company merger with Duke	September
WGQ	End User	Cinergy – regulated, John Procaro	Company merger with Duke	March
WEQ	End User	Cinergy, John Procaro	Company merger with Duke	March
WGQ	Services	Cinergy Marketing and Trading, Maribeth Bedevian	Company merger with Duke	October
REQ	Distribution	Cinergy Services, Inc., Paul K. Jett	Company decision to not renew	October
WEQ	Generation	Consumers Energy Company	Interest covered by participation in WEQ, Distribution segment	September
REQ	End Users	Defense Energy Support Center, Lisa Robert	Company accounting, may rejoin in the future	November
RGQ	Supplier	Duke Energy Gas Transmission	Company merger with Cinergy	August
WEQ	Marketer	Duke Energy Americas, LOC (DEA), Walt Yeager	Company merger with Cinergy	October
WEQ	Marketer	DTE Energy, David G. Nick	Shifting Priorities	January
WGQ	Pipeline	Enbridge Offshore Pipelines, LLC, Chuck Cook and Neal Gerstandt	Will purchase documents as needed and understands copyright policy for access to standards for non-members	April
WEQ	Marketer	Entergy Services, Inc., James M. Smith	Budget Cuts	June
WEQ	Transmission	ITC Transmission, Jim D. Cyrulewski	No reason given for non renewal	November
WGQ	Producer	Kerr-McGee Oil and Gas Company	Company merger with Anadarko	October
WEQ	End User	Minneapolis Consulting Group, Mike Pritchett	Shifting Priorities	July
WEQ	Transmission	National Grid USA – Herbert Schrayshuen, Peter Flynn, Mary Ellen Paravalos	No reason given for non renewal.	December
WGQ	LDC	Nicor Gas, Mary Wolosek and Shirley Holmes	Cost savings initiative	December
WGQ	Services	NJR Energy Services Company, Ginger Richman	No reason given for non renewal	November
WEQ	Generation	Oglethorpe Power Corporation, Billy Ussery	Shifting Priorities	June



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WGQ	Services	Oxadel Consulting, LLC, Lyn Maddox	Changing positions	May
WGQ	Services	Pemex Gas Y Petroquimica Basica, Juan Enrique Gonzales Azuara	Accounting reorganization	June
WGQ	Pipeline	Portland General Electric, Kathy Davies	No reason given for non renewal	October
WGQ	Services	Powerex Corp., Sharole Tylor	Will participate under other membership help by Powerex	October
RGQ	Services	R.J. Rudden Associates, Inc., Richard J. Rudden/Don Sytsma,	Shifting Priorities	January
REQ	Distribution	Savannah Electric and Power Company, Osman Bholat	Shifting Priorities	April
WGQ	Services	SolArc Inc., Angie Brashears	Contact left, company not interested in renewing membership	October
WEQ	Transmission	Sunflower Electric Power Corporation, L. Earl Watkins	No reason given for non renewal	October
RGQ	Services	SunGard EnForm Consulting, David F. Pfeifer	Contact left, company not interested in renewing.	March
WGQ	Services	Telvent, William (Bill) Morrow	Company strategic direction has changed	October
WEQ	Marketer	UBS Energy LLC – Suzanne Calcagno	No response to request for payment 12/18/06.	December
RGQ	Distribution	Union Gas, Greg Tetreault	Company may consider rejoining next year	October



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Quadrant	Segment	Contact and Company	Reason Resigned	Month Resigned
WGQ	Services	American Electric Power Service Corporation	No reason given for non renewal	March
WGQ	LDC	American Public Gas Association	No reason given for non renewal	October
WGQ	End User	Arizona Public Service Company	No reason given for non renewal	March
WGQ	Pipeline	Bridgeline Gas Marketing	No reason given for non renewal	September
WGQ	Producer	Burlington Resources	Acquired by ConocoPhillips who is a member	March
WEQ	Generation	Dept. of Interior, U.S. Bureau of Reclamation – Dr. Karl Wunderlich	No reason given for non renewal	December
WEQ	End User	Electricity Consumers Resource Council – John Anderson and John Hughes		August
WGQ	LDC	Integrus Energy Services, Inc.	Consolidating Membership with Peoples gas Light and Coke Co.	November
WEQ	Transmission	Platte River Power Authority – Terry L. Baker	No reason given for non renewal.	February
RGQ	Distribution	Peoples Gas System – Rachel Gebhardt	Company contact no longer with company. They do not wish to continue membership.	March
WGQ	Pipeline	Texas Gas Transmission, LLC	Consolidating Membership to only Boarwalk Pipeline Partners, LP	November
WEQ	Transmission	TRANS-ELECT, Inc. – Paul D. McCoy	No reason given for non renewal.	January
WGQ	Services	Trinity Apex Solutions, Inc.	No reason given for non renewal	March



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### North American Energy Standards Board Member Resignations in 2008

Quadrant	Segment	Contact and Company	Reason Resigned	Month Resigned
WEQ	Transmission	Allegheny Energy, Inc.	Company decision to not renew	October
WEQ	Transmission	American Transmission Company LLC	Company decision to not renew due to resources	October
RGQ	Supplier	Center Point Energy Minnegasco	Contact (Andrea Newman) left company – new contact Tracy Bridge did not want to renew	February
WEQ	Marketer/Broker	Conective Energy Supply, Inc.	Company decision to only keep “one” active membership	February
WEQ	Generation	Constellation Energy	Company decision to not renew	June
RGQ	Services	Energy Services Group, Inc.	Company decision to not renew due to resources	February
WGQ	Services	EnergySouth Midstream, Inc.	Company acquired by Sempra Energy	October
WGQ	LDC	Equitable Gas Company	Company decision to not renew due to resources	July
WEQ	Transmission	Florida Reliability Coordinating Council	No reason given for non renewal	January
WGQ	Pipeline	H S Resources, Inc.	No reason given for non renewal	February
WEQ	End User	Ohio Consumers Council	Company decision to not renew due to resources	February
RGQ	Distributor	Public Service Electric & Gas	No reason given for non renewal	February
WEQ	End User	ChevronTexaco Energy Research	No reason given for non renewal	March
WEQ	Transmission	Imperial Irrigation District	Already participating in other segment	April
WGQ	Services	J.P. Morgan Ventures Energy	No reason given for non renewal	April
WEQ	Transmission	Michigan Electric Transmission Company	No reason given for non renewal	April
RGQ	End User	Indiana Office of Utility Consumers	Company decision to not renew due to resources	April
REQ	Services	ista North America	Company decision to not renew due to resources	September
WGQ	LDC	National Grid USA	Company decision to not renew due to resources	September
RGQ	Distribution	Niagara Mohawk	Company decision to not renew due to resources	April
RGQ	End User	Ohio Consumers Council	Company decision to not renew due to resources	April
RGQ	Supplier	UBS Energy LLC	No reason given for non renewal	April



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### North American Energy Standards Board Member Resignations in 2008

REQ	End User	Wal-Mart Stores, Inc.	No reason given for non renewal	April
REQ	End User	Ohio Consumers Council	Company decision to not renew due to resources	April
WGQ	End User	Florida Reliability Coordinating Council	No reason given for non renewal	April
WEQ	Transmission	Oncor	Company decision to not renew due to resources	May
REQ	Distribution	Gulf Power Company	Company decision to not renew due to resources	June
WEQ	End User	Maryland People's Counsel	No reason given for non renewal	June
REQ	Distribution	Mississippi Power Company	Company decision to not renew due to resources	June
WEQ	Generation	Sacramento Municipal Utility District	Company decision to only have "1" membership in NAESB	July
WEQ	Distribution	Salt River Project Agricultural	Company decision to only have "2" memberships in NAESB	September
REQ	Supplier	TXU Energy Retail	Non renewal	September



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Attachment 5

North American Energy Standards Board December 9, 2008

Vacant Seats	Quadrant	Seat	Segment	Subsegment
14	Retail Electric	Board (7)	Supplier (3) End User (3) Service Providers (1)	
		Executive Committee (7)	End User (4) Services (1) Supplier (2)	
38	Retail Gas	Board (19)	Distribution (4) End User (6) Service Providers (3) Suppliers (6)	
		Executive Committee (19)	Distribution (2) End User (6) Service Providers (6) Suppliers (5)	
14	Wholesale Electric	Board (8)	Distribution/Load Serving Entities (LSE) (1)	IOU (at large) (1)
			Transmission (1)	at large (1)
			Marketers/Brokers (1)	Not IOU Affiliated (at large) (1)
			End User (5)	End Use-Also in another segment (at large) (1) End Use-Self Generator (at large) (1) Commercial/Residential (at large) (1) Large Industrial (at large) (2)
		Executive Committee (6)	End User (5)	Large Industrial (at large) (1) End Use – Self Generation (at large) (1) Commercial/Residential (at large) (1) End Use (In other segments) (at large) (1) Large Industrial (at large) (1)
2	Wholesale Gas	Board (2)	Transmission (1) Services (1) Producers (1)	ITC (at large) (1)
		Executive Committee (0)		



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Attachment 6

North American Energy Standards Board  
 Membership as of December 9, 2008

Member Company	Quadrant	Segment	Contact
8760, Inc.	WGQ	s	Jim Buccigross
Advantage IQ, Inc.	REQ	e	Suzanne Figy, Jami Boom
ACES Power Marketing LLC	WEQ	m	Roy J. True, Amadou Fall
AGL Resources Inc.	RGQ	d	Katrina Bond
Alabama Power	REQ	d	Judy W. Ray
Alberta Electric System Operator	WEQ	i	Diana Pommen, Henry Ren
Allegro Development	RGQ	s	Kimberly Page
Alliance Pipeline LP	WGQ	pl	Jim Goldmann, Cathie Legge, Brian Troicuk
Ameren Corporation	WGQ	l	Scott Glaeser, Ken Dothage, Jim Massmann
Ameren Services	WEQ	m	Shawn Schukar
Ameren Services Company	REQ	d	Patrick Eynon
American Electric Power Service Corp.	WEQ	d	Barbara Radous, Joseph Hartsoe, Phil Cox
American Municipal Power - Ohio, Inc.	WEQ	d	Mack Thompson, Chris Norton
American Public Gas Association (APGA)	RGQ	d	Alonzo Weaver, Joe Stengel
American Public Power Association	WEQ	d	Allen Mosher
American Wind Energy Association	WEQ	g	Robert Gramlich
Anadarko Energy Services Company	WGQ	s	John Bretz, Steven Abbey
ANR Pipeline Company	WGQ	pl	Sandy Meyers
Apache Corporation	WGQ	pr	Kelley Powell
APS Marketing and Trading	WEQ	m	Steve Norris
Arizona Public Service Company	WEQ	t	Mark W. Hackney
Arizona Public Service Company	WGQ	e	Tom Carlson, Kelly Daly
Atmos Energy	WGQ	pl	Steve Easley
Ballard Natural Gas, LLC	WGQ	s	Susan Thibodeaux
Baltimore Gas & Electric Co.	REQ	d	Ruth Kiselewich, Phil Precht
Baltimore Gas & Electric Co.	WGQ	l	Phil Precht
Baltimore Gas & Electric Company	RGQ	d	Phil Precht
Barclays Bank PLC	WGQ	s	Guy Kern-Martin
Basin Electric Power Cooperative	WEQ	g	Jason Doerr
Basin Electric Power Cooperative	WEQ	m	David Raatz
Basin Electric Power Cooperative	WEQ	t	Dan Klempel
Bentek Energy, LLC	WGQ	s	E. Russell Braziel
BG Energy Merchants, LLC	WGQ	s	Martha Braddy, Denise Almoina, Susan Bailey, Melody Fontenot



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Black Hills Corporation	WEQ	t	Larry D. Williamson
Boardwalk Pipelines, LP	WGQ	pl	Randy Young, Mitch Whitehead
Boeing Company	WGQ	e	Tina Burnett
Bonneville Power Administration	WEQ	d	Sydney D. Berwager
Bonneville Power Administration	WEQ	g	Francis Halpin
Bonneville Power Administration	WEQ	m	Brenda Anderson
Bonneville Power Administration	WEQ	t	Barbara Rehman, Tom Davis
BP America, Inc.	WEQ	e	Jeanne Zaiontz
BP Energy	WGQ	pr	Bill Benham, Rhonda Denton
British Columbia Transmission Corporation	WEQ	t	Rohan Soulsby
California Department of Water Resources	WEQ	g	William (Bill) Forsythe, Chi Doan
California ISO	WEQ	i	Yakout Mansour
Calpine Energy Services, LP	WGQ	e	Shonnie Daniel, Craig Chancellor
Capacity Center	RGQ	s	Greg Lander
Cargill Incorporated	WGQ	s	Kathy Gerken
Carolina Gas Transmission Corporation	WGQ	pl	Ryan Leahy
Cascade Natural Gas Corporation	WGQ	l	Mark Sellers-Vaughn
CenterPoint Energy Gas Services, Inc.	WGQ	s	James G. Beste, Larry Kunkle
CenterPoint Energy Gas Transmission Company	WGQ	pl	Larry Thomas
CenterPoint Energy Mississippi River Transmission Corp.	WGQ	pl	Robert Trost
Central Electric Power Cooperative	WEQ	d	Arthur Fusco
Chandeleur Pipe Line Company	WGQ	pl	Janice E. Rogers, Deborah Plattsmier
Cheniere Marketing, Inc.	WGQ	s	Mark Stubbe, Tammy Miller
Chevron Natural Gas	WGQ	pr	Charles (Chuck) Cook
Cimarex Energy Co	WGQ	pr	Charlotte Baker
Citigroup Energy Inc.	WGQ	s	Carrie Southard, Angela Davis
Cleco Power, LLC	WEQ	t	Cindy Guillot
Colorado Springs Utilities	WGQ	l	Joe M. Holmes
Columbia Gas Transmission	WGQ	pl	Claire Burum
Comprehensive Energy Services	WEQ	e	Jim Templeton
Comprehensive Energy Services	WGQ	e	Jim Templeton
Conectiv Energy Supply, Inc.	WEQ	g	Gloria Godson
ConocoPhillips Gas and Power	WGQ	pr	Peter Frost
Consolidated Edison Company of NY	REQ	d	Adrienne Austin
Consolidated Edison Company of NY	WGQ	l	Scott Butler, Paul Olmsted
Consolidated Edison Company of NY, Inc.	WEQ	t	Scott Butler
Constellation Energy Commodities Group, Inc.	WGQ	s	Lisa Simpkins
Constellation NewEnergy, Inc.	REQ	su	Janson Pollock
Consumers Energy Company	WEQ	d	Andrew C. Dotterweich, Frank Johnson



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Dairyland Power Cooperative	WEQ	t	Chuck Callies
Dauphin Island Gathering Partners	WGQ	pl	Katie Rice
DB Energy Trading	WGQ	s	William Donnelly, Travis McCullough
Defense Energy Support Center	WGQ	e	Veronica Jones, Kevin Ahern
Department of Energy	WGQ	e	Christopher Freitas
Deseret Generation & Transmission Co-operative	WEQ	g	Curtis Winterfeld
Devon Energy Corporation	WGQ	pr	Bill Green
Direct Energy Business Services	REQ	su	David Booty
Dominion Energy Marketing, Inc.	WEQ	g	Lou Oberski, Jalal Babik
Dominion Exploration and Production, Inc.	WGQ	pr	David Ogden, Sheri Heslington, Gary Weaver
Dominion Resources (Previously CNG)	WGQ	l	Craig Columbo
Dominion Retail	REQ	su	William Barkas, Richard Zelenko
Dominion Retail, Inc.	RGQ	su	Richard A. Zollars
Dominion Transmission, Inc.	WGQ	pl	Gary Sypolt, Iris King
Dominion Virginia Power	REQ	d	David F. Koogler, Mary Edwards
DTE Energy Trading, Inc.	WGQ	s	Gregory V. Staton, James Buck, Dena Crawford, Marcia L. Hissong, Ann Marie Jambor, Cynthia Klots, Shelley Greene
Duke Energy Americas, LLC (DEA)	WEQ	g	Walt Yeager
Duke Energy Corp.	RGQ	d	Dan Jones
Duke Energy Corp.	WEQ	d	Alan Pritchard
Dynegy Power Marketing, Inc.	WEQ	g	Barry Huddleston
EC Power International	REQ	s	Judy Bailey, J. Cade Burks, Jennifer Teel
Edison Electric Institute	WEQ	n	David Owens, Dave Dworzak, James P. Fama
Edison Mission Marketing & Trade, Inc.	WEQ	g	William Roberts
El Paso Exploration & Production Company	WGQ	pr	Susan Lum, David A. Webster, Stephanie Karm
El Paso Natural Gas	WGQ	pl	William Griffith
Electric Power Supply Association	WEQ	m	Jack Cashin
Electric Reliability Council of Texas (ERCOT)	REQ	s	Susan Munson
Electric Reliability Council of Texas (ERCOT)	WEQ	i	Bill Blevins
ElectriCities of North Carolina	WEQ	g	Gregory Locke
Empire District Electric Company, The	WEQ	t	Bary K. Warren
Enbridge Energy Company Inc	WGQ	pl	Terry McGill
EnCana Corporation	WGQ	pr	Keith Sappenfield
EnCana Marketing (USA) Inc.	WGQ	s	Keith Sappenfield
Energy East Management Corporation	WEQ	t	Mark Marini
Energy East Management Corporation	WGQ	l	Mark Marini
Entegra Power Group, LLC	WEQ	g	Rebecca Turner
Entergy Services, Inc.	WEQ	t	Edward J. Davis, Narinder Saini
Entergy Services, Inc.	WGQ	e	Laura Berryman, Terry Shields



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Enterprise Products Partners, LP	WGQ	pl	Richard W. Porter
Exelon Corporation - PECO Energy	WEQ	d	John McCawley
Exelon Energy	RGQ	su	Sheree M. Petrone
Exelon Energy Delivery	REQ	d	Toni Garza
Exelon Generation - Power Team	WEQ	m	Jack Crowley
ExxonMobil Gas & Power Marketing Company a division of Exxon Mobil Corporation	WGQ	pr	Jim Hanrahan, Carol A. Nichols
ExxonMobil Gas Marketing	WEQ	e	Kerrie Anne Lanigan
First Energy Service Company	WEQ	d	Robert M. Martinko, Thomas C. Burgess
FirstEnergy Solutions Corp.	WEQ	m	Mark Travagianti
Florida Municipal Power Agency	WEQ	d	Steven H. McElhaney
Florida Municipal Power Agency	WEQ	g	Robert C. Williams
Florida Power & Light Company	WEQ	m	Gerry Yupp, Tim Gerrish
Florida Power & Light Company	WEQ	t	Marty Mennes, Bob Birch
Florida Power & Light Company	WGQ	e	Dona Gussow, Art Morris
Foothills Energy Ventures, LOC	WGQ	pr	Marty Patterson
FPL Energy Power Marketing, Inc.	WGQ	e	Michael Jessop
Gas Transmission Northwest Corporation	WGQ	pl	Jay Story
Georgia Transmission Corporation	WEQ	t	Patrick McGovern
Goodrich Petroleum Company, LLC	WGQ	pr	Bill Hebenstreit
Great Lakes Gas Transmission	WGQ	pl	Gene Fava
Hess Corporation	WGQ	s	Rebecca Batchelder
Houston Pipe Line Company LP	WGQ	pl	Josie Castrejana
Husky Energy Marketing, Inc.	WGQ	pr	Jan Bindon
Husky Gas Marketing, Inc.	WGQ	pr	Jan Bindon
Husky Marketing and Supply Company	WGQ	e	Jan Bindon
Hydro - Quebec Transenergie	WEQ	t	Victor Bissonnette
Hydro One Networks	WEQ	t	Mark Graham
ICF International	REQ	s	David Pickles
Idaho Power Company	WEQ	t	Tessia Park
Imperial Irrigation District	WEQ	m	Kim M. Kiener, Frank M. Barbera
Imperial Irrigation District	WGQ	e	William Rapp
Independent Electricity System Operator (IESO)	WEQ	i	Cristian Dragnea, Biju Gopi
Indiana Municipal Power Agency	WEQ	g	Scott Berry
Integrays Energy Group, Inc.	WGQ	l	David E. Wear
International LNG Alliance	RGQ	s	David Sweet
Interstate Gas Supply	RGQ	su	Ginger Fletcher
Iroquois Gas Transmission System	WGQ	pl	Tom Gwilliam
ISO New England, Inc.	WEQ	i	Matthew F. Goldberg
JP Morgan Ventures Energy Corp	WGQ	s	Paul Tramonte
Kern River Gas Transmission Company	WGQ	pl	Brenda Horton



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Laclede Gas Co.	WGQ	l	Kenneth Neises
Latitude Technologies	RGQ	s	Leigh Spangler
Latitude Technologies	WGQ	s	Leigh Spangler
Lehman Brothers Commodity Services Inc.	WGQ	s	David Perlman
Lincoln Electric System	WEQ	g	Douglas Bantam
Louis Dreyfus Energy Services L.P.	WGQ	s	Mary Ellen Bell, Ruby Melton
Lower Colorado River Authority	WGQ	e	Mickey Bell
Luminant	WEQ	m	Mike Grim
Macquarie Cook Energy, LLC	WGQ	s	Angela Jones
Marathon Oil Company	WGQ	pr	Robin Perrine
Mewbourne Oil Company	WGQ	pr	Michael F. Shepard
Michigan Public Power Agency	WEQ	d	James R. Nickel, Daniel E. Cooper
MidAmerican Energy	REQ	d	James E. Wilson
MidAmerican Energy Company	WEQ	m	Dennis Kimm
Midwest Independent Transmission System Operator	WEQ	i	Bill Phillips, Ed Skiba
Midwest Reliability Organization	WEQ	t	Shel Berg
Mirant Energy Trading, LOC	WGQ	e	Laura Trautman, John F. Hogan
Missouri River Energy Services	WEQ	d	Brian Zavesky
Modesto Irrigation District	WEQ	t	Roger Van Hoy
National Association of Regulatory Utility Commissioners	WEQ	e	Lou Ann Westerfield
National Fuel Gas Distribution	WGQ	l	Michael Novak
National Fuel Gas Distribution Corporation	RGQ	d	Mike Novak
National Fuel Gas Supply Corp.	WGQ	pl	Joseph Kardas
National Grid	WEQ	t	Edward M, Kremzier
National Grid Gas Distribution Companies	WGQ	l	Dolores Chezar
National Rural Electric Cooperative Assoc.	WEQ	d	Barry Lawson, Paul McCurley
Natural Gas Pipeline Co of America	WGQ	pl	Paul Love, Stan Thomas, Mike Schisler, Paul Haas
Navigant Consulting, Inc.	WEQ	m	Richard G. Smead, Laurie J. Oppel, Kenneth C. Lotterhos
New Jersey Natural Gas Company	WGQ	l	Douglas C. Rudd
New York Independent System Operator	WEQ	i	Rana Mukerji
New York State Dept. of Public Service	WEQ	e	William Heinrich
New York State Reliability Council	WEQ	d	P. Donald Raymond
Nexen Marketing	WGQ	s	Shelley Leavitt
NiSource Inc.	WGQ	l	George Simmons, Sorana Linder
Noble Energy, Inc.	WGQ	pr	Richard D. Smith
North American Electric Reliability Corporation (NERC)	WEQ	d	Gerry Adamski, Andy Rodriquez
North Carolina Advanced Energy Corporation	REQ	su	Robert K. Koger
North Carolina Electric Membership Corporation	WEQ	d	David Beam



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North Carolina Electric Municipal Power Agency #1	WEQ	d	Matt Schull
North Carolina Electric Municipal Power Agency #1	WEQ	m	Clay A. Norris
Northeast Utilities Service Company	WEQ	t	David Boguslawski, Calvin A. Bowie
Northern Border Pipeline Company	WGQ	pl	Scott Coburn
Northern Indiana Public Service Company (NiSource)	RGQ	d	George Simmons
Northern Natural Gas	WGQ	pl	Mary Darveaux
Northwest Natural Gas Company	WGQ	l	Randolph Friedman
Northwestern Corporation	WEQ	t	Mike Cashell
NOVA Gas Transmission Ltd.	WGQ	pl	Doug Miller
NRG Energy, Inc.	WEQ	g	Jennifer J. Vosburg, Alan Johnson
NV Energy	WEQ	m	Sheryl Torrey
NV Energy, Inc.	WEQ	t	Patricia Englin
Office of Public Advocate, State of Maine	REQ	e	Agnes Gormley
OGE Energy Resources, Inc.	WGQ	s	Cary Metz
Oncor	REQ	d	Larry Williford, Debbie McKeever
ONEOK	WGQ	l	Richard Tangeman
ONEOK Partners GP, LLC	WGQ	pl	Teri Tingler
Ontario Power Generation	WEQ	g	Colin Anderson, David Barr
Open Access Technology International, Inc.	WEQ	e	Michehl Gent
Open Access Technology International, Inc.	WEQ	t	Paul R. Sorenson
Otter Tail Power Company	WEQ	t	Daryl Hanson, Larry Larson
Ozark Gas Transmission, LLC	WGQ	pl	David A. Harrell
Pacific Gas & Electric	WGQ	l	John Breen, Don Petersen
PacifiCorp	WEQ	g	Greg Maxfield
PacifiCorp	WEQ	m	Edison G. Elizeh, John Apperson
PacifiCorp	WEQ	t	Shay Labray
Panhandle Eastern Pipe Line Co.	WGQ	pl	William Grygar, Kim Van Pelt
PECO Energy Co.	WGQ	l	Reed R. Horting
Pemex Gas Y Petroquimica Basica	WGQ	s	Juan Enrique Gonzalez Azuara
Pennsylvania Office Of Consumer Advocate	REQ	e	Tanya J. McCloskey, Sonny A. Popowsky
Pennsylvania Office of Consumer Advocate	RGQ	e	Tanya J. McCloskey
Peoples Gas System (A division of Tampa Electric Co)	WGQ	l	Wraye Grimard
PHI Power Delivery	WEQ	t	Ken Gates
PJM Interconnection	WEQ	i	Patrick Brown, Cathy Wesley
Platts	WGQ	s	Bill Murphy
Portland General Electric	WEQ	m	John Jamieson
Portland General Electric	WEQ	t	Frank Afranji, John Walker



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Portland Natural Gas Transmission System	WGQ	pl	David Haag
Powerex Corp.	WEQ	m	Michael L. McWilliams, Sharole Tylor
PowerSouth Energy Cooperative	WEQ	d	William Ronald Graham
PPL Electric Utilities Corporation	WEQ	t	Ray Mammarella
PPL EnergyPlus, LLC	WGQ	e	Anne Lovett
PPL Solutions, LLC	REQ	s	James M. Minneman, Kim Wall
Progress Energy	WEQ	t	Phillip W. Lewis
Progress Energy (regulated)	WEQ	m	James Eckelkamp
PSEG Energy Resources and Trade LLC	WEQ	m	James D. Hebson
PSEG Power LLC	WEQ	g	Thomas M. Piascik
Public Power Council	WEQ	d	Nancy Baker
Public Service Company of New Mexico	WEQ	m	Steven Maestas
Public Service Electric & Gas	REQ	d	Terrence Moran
Public Service Electric & Gas	WGQ	l	David Wohlfarth
Public Service Electric and Gas Company	WEQ	d	Jeffrey C. Mueller
Public Service Electric and Gas Company	WEQ	t	Kenneth D. Brown
Puget Sound Energy, Inc.	WEQ	t	George Marshall, Bob Harshbarger
Qualedi, Inc	WEQ	g	Stephen A. Morocco
Questar Pipeline Co.	WGQ	pl	Scott Hansen
Quorum Business Solutions Inc.	WGQ	s	Anne Golenternek, Michael Lewis
Reliance Gas Transportation Infrastructure Limited	WGQ	pl	Jagjit S. Yadav
Reliant Energy Services	WEQ	g	Gary A. Hinnens
Sabine Pipe Line LLC	WGQ	pl	Jan Rogers
Sacramento Municipal Utility District	WEQ	d	W. Shannon Black
Salt River Project Agricultural Improvement & Power District	WGQ	e	Lori-Lynn C. Pennock
Salt River Project Agricultural Improvement and Power District	WEQ	m	Mark S. Mitchell
Salt River Project Agricultural Improvement and Power District	WEQ	t	Wendy Weathers
San Diego Gas & Electric Company	WEQ	t	Patricia vanMidde
Santee Cooper	WEQ	t	Tom Abrams
Seattle City Light	WEQ	d	Marilynn Semro
Seminole Electric Cooperative, Inc.	WEQ	m	Steve Wallace
Sempra Energy - Southern California Gas Co.	WGQ	l	Lee Stewart, Rodger Schwecke
Sequent Energy Management, L.P.	WGQ	s	Pat Metteauer
Shell Energy North American (US), L.P.	WEQ	m	Robert Reilley, Paul Kerr
Shell Energy North American (US), L.P.	WGQ	s	Eric Gillaspie
SolArc, Inc.	WGQ	s	Mark Davis
South Carolina Electric & Gas Company	WEQ	m	Kevin Spitzform
South Carolina Electric & Gas Company	WEQ	t	S. Porcher Stoney
Southeastern Power Administration	WEQ	g	Bob Goss



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Southern California Edison	WEQ	t	Weston Williams
Southern California Edison Company	WEQ	g	Tracy Bibb
Southern California Edison Company	WGQ	e	Roman Bakke, Curt Roney
Southern Company Services	REQ	s	Barbara Hingst
Southern Company Services, Inc.	WEQ	d	Gary Rozier, Greg Butrus
Southern Company Services, Inc.	WEQ	g	John Ciza
Southern Company Services, Inc.	WEQ	m	Joel Dison
Southern Company Services, Inc.	WEQ	t	R.D. (Dean) Ulch, John Lucas, JT Wood, James Y. Busbin, Daryl McGee
Southern Company Services, Inc.	WGQ	e	Alan Kilpatrick, Bryan Mitchell
Southern Natural Gas Co.	WGQ	pl	Renee Hyde, Tracey Nicholson, Ludean Wyatt
Southern Star Central Gas Pipeline	WGQ	pl	Philip Rullman, Dale Sanders
Southwest Gas Corporation	WGQ	l	Larry Black
Southwest Power Pool	WEQ	i	Carl Monroe, Michael Desselle
Southwest Transmission Cooperative, Inc.	WEQ	t	Larry D. Huff
Southwestern Power Administration	WEQ	t	Tracey Stewart
Spectra Energy Transmission	WGQ	pl	Richard Kruse
Sprague Energy Corp.	RGQ	su	Nicole D. Spaur
Structure Group	REQ	s	Stacey Wood
SUEZ Energy Marketing NA, Inc.	WEQ	m	Ken Lackey, Cesar Seymour
SUEZ Energy Marketing NA, Inc.	WGQ	s	Shirley Tidor
Sungard	WEQ	e	Andrew Tritch
SunGard	WGQ	s	Lucia Nail
Systrends	RGQ	s	Dave Darnell
Tampa Electric Company	WEQ	m	Gail M. McKaig
Tenaska, Inc.	WEQ	g	Scott Helyer
Tennessee Gas Pipeline Company	WGQ	pl	Sue Barry, Mark Gracey
Tennessee Valley Authority	WEQ	d	Cindy Herron, Dianne H. Nunez
Tennessee Valley Authority	WEQ	g	Kathy York
Tennessee Valley Authority	WEQ	m	Belinda Thornton, Valerie Crockett
Tennessee Valley Authority	WEQ	t	Chuck Feagans
Tennessee Valley Authority	WGQ	e	Valerie Crockett
Tiger Natural Gas	WGQ	s	Tracy Phillips
TransCanada Pipelines	WGQ	pl	Doug Miller
TranServ International, Inc.	WEQ	i	Kevin Burns
Transwestern Pipeline Company, LOC	WGQ	pl	B lair V. Lichtenwalter, Mary Dramer, David Mendoza
Tri-State G&T Association, Inc.	WEQ	g	Lisa Tiffin
Tri-State Generation and Transmission Association, Inc.	WEQ	t	Keith V. Carman
Tucson Electric Power Company	WEQ	t	Raquel Aguilar, Judy Fregoso, Ed Beck
UBS Energy LLC	WGQ	s	Suzanne Calcagno
UGI Utilities, Inc.	RGQ	d	Paul Szykman



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Vector Pipeline L.P.	WGQ	pl	Amy Bruhn
Vectren Retail, LLC	RGQ	su	Tami Wilson
Vega Energy Partners, Ltd.	WGQ	s	Julie Pincus
Vermont Public Power Supply Authority	WEQ	g	William J. Gallagher
Virginia Power Energy Marketing, Inc.	WGQ	s	Paul Pfeffer
Washington Gas Light Co.	WGQ	l	Adrian Chapman , Ken Yagelski
We Energies	WEQ	d	Linda Horn
We Energies	WEQ	g	James R. Keller
Westar Energy, Inc.	WEQ	g	Shah Hossain, Grant Wilkerson
Western Area Power Administration	WEQ	m	Jeffrey Ackerman
Western Area Power Administration	WEQ	t	JB Hite
Western Electricity Coordinating Council	WEQ	g	Michelle Mizumori, Louise McCarren
Westfield Gas & Electric Light Dept.	WGQ	l	Joyce Bodak
Williams Gas Marketing, Inc.	WGQ	s	Rich Ficken
Williams Gas Pipeline	WGQ	pl	Dale Davis, Christopher Burden
Williston Basin Interstate Pipeline	WGQ	pl	Keith Tiggelaar
Wisconsin Public Power Inc.	WEQ	d	Mike Stuart
Wisconsin Public Service Corporation	REQ	d	Dennis Derricks, Les Nishida, Ken Thiry
Wisconsin Public Service Corporation	RGQ	d	Dennis Derricks, Ken Thiry, Les Nishida
Wisconsin Public Service Corporation	WEQ	g	Tom Webb, Charles W. Severance, Neal Balu
Xcel Energy	RGQ	d	Don Basler
Xcel Energy, Inc.	WEQ	m	David Lemmons



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### NAESB Retail Structure Review Committee

At the request of the NAESB Board of Directors, the Retail Structure Review Committee met on December 10, 2008 to discuss the future of the Retail Quadrants. During this meeting, the participants discussed five potential solutions to the membership issues faced by both the Retail Gas and Retail Electric Quadrants. These solutions included: (1) merging the Retail Gas and Retail Electric Quadrants, (2) merging the Retail Quadrants and the Wholesale Quadrants, (3) indefinitely discontinuing the work of the Retail Quadrants or significantly restricting the work that will be undertaken by the Retail Quadrants, (4) dissolving the Retail Quadrants, or (5) continuing the existing structure for 2009-2010. The following resulted from that meeting:

#### Goals

The participants determined that the course of action pursued by the Organization should not conflict with the following overarching goals:

- (1) The course of action should not negatively affect the overall membership of NAESB.
- (2) The course of action should not negatively affect the current financial standing of the Organization.
- (3) The course of action should increase the credibility of the membership and representation of the retail market.
- (4) The course of action should strengthen the leadership of the organization and address the number of vacant Board and Executive Committee seats in both the Retail Gas and Retail Electric Quadrants.

#### Solutions

The participants reviewed the five courses of action outlined above and discussed how those courses of action relate to the overarching goals established by the participants.

Merging the Retail Gas and Retail Electric Quadrants: Based upon the current membership, if the Retail Quadrants merged, the combined membership of the two Quadrants would not satisfy the minimum requirements for a Quadrant established in the NAESB By-Laws. Also, it would become unnecessary for companies that currently hold memberships in both Quadrants to continue with multiple memberships. This would result in a reduction to the overall membership while not achieving the minimum membership goal in the By-Laws.

Merging the Retail Quadrants and the Wholesale Quadrants: The interests of the Wholesale Quadrants and Retail Quadrants are very different. As a result, members, whose interests lie within the Retail market or Wholesale market, would have to spend a significant amount of time addressing issues which are not applicable to their interests. This would diminish the value of membership within NAESB and damage the credibility of the Organization, as standards would be evaluated by members of unaffected markets.

Indefinitely discontinuing the work of the Retail Quadrants or significantly restricting the work that will be undertaken by the Retail Quadrants: This course of action would be appropriate if there is no further work of value to industry to be done by the Quadrants. The Retail industry's focus on business practice standards has shifted from those relating to customer choice and competition to those concerning DSM/EE programs. As such, the Retail Quadrants role in facilitating that standards development is significant and should not be discontinued or limited.

Dissolving the Retail Quadrants: See above

Continuing the existing structure for 2009-2010: The membership issues faced by the Retail Quadrants have been unresolved for several years. Given the condition of the current market and the Quadrant's potential for growth, it is in the Organizations best interest to take action to address the Quadrants issues and develop a sustainable structure within the Organization.

#### Suggested Course of Action

The Retail Structure Review Committee recommends that the Retail Quadrants focus development work on the emerging areas of energy efficiency and demand side management. As a result the current segment structure should



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be modified. The current segment structure of the Quadrants was appropriate for development of model business practices for customer choice and competition but is no longer appropriate given the shifting focus of the Quadrants' work.. The Quadrants could be restructured so that current members, including those holding Retail Board and Executive Committee seats, would be minimally affected, and more accurately represent the current Retail market activities. This course of action would satisfy the goals established by the Retail Structure Review Committee and lead to the sustainability of the Retail Quadrants.



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**TO:** NAESB Files  
**FROM:** Rae McQuade, NAESB President and COO  
**RE:** Review and Approval of Proposed 2009 Budget  
**DATE:** December 12, 2008

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The NAESB Managing Committee met via conference call on December 10, 2008 to review the proposed 2009 budget. After review and discussion, a motion was made by Mr. Templeton and seconded by Ms. Crockett to approve the 2009 budget as presented. The 2009 budget was unanimously approved.

Mr. Desselle discussed year-end projections for 2008 and it was noted they were consistent with the projections previously presented to the NAESB Board of Directors at both the June and September 2008 meetings, as well as the baseline used by the Revenue Committee in forming its September recommendation.

cc: Rae McQuade, President

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Order 890 Work Plan			
Status <sup>1</sup>	Action Item/Work Plan	Action Item Home	Target Dates
	<b>ATC GROUP ASSIGNMENTS (ESS/ITS and BPS)</b>		
✓	<p>243, 244, 246</p> <p>Business Practice Standards complementary to NERC Reliability Standards for Existing <b>Transmission Commitment (ETC)</b> to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard*</p> <p>Paragraphs 243, 244, and 246 will require coordination with the NERC Order 890 reliability standards development</p> <p>*Posting requirements for ETC assigned to ESS/ITS (see 2008 AP 2(a)(vi)(4) and Order 890 WP, Group 6)</p> <p><b>Order 890-A:</b></p> <p>63. The Commission also found that inclusion of all requests for transmission service in ETC would likely overstate usage of the system and understate ATC. The Commission therefore found that reservations that have the same point of receipt (POR (generator) but different point of delivery (POD) (load), for the same time frame, should not be modeled in the ETC calculation simultaneously if their combined reserved transmission capacity exceeds the generator’s nameplate capacity at the POR. The Commission directed public utilities, working through NERC, to develop requirements in MOD-001 that lay out clear instructions on how these reservations should be modeled. The Commission also concluded that some elements of ETC are candidates for business practices instead of reliability standards and directed public utilities, working through NAESB, to develop business practices necessary for full implementation of the MOD-001 reliability standard.</p> <p>151. We decline to impose additional posting requirements regarding ETC uses, as requested by EPSA and Powerex. In Order No. 890, the Commission required transmission providers to make available all data used to calculate ATC for constrained paths and any system planning studies or specific network impact studies performed for customers. This would include information regarding ETC uses, including grandfathered agreements, that affect ATC calculations or study results. EPSA and Powerex fail to demonstrate that it is necessary to require the posting of additional information regarding ETC uses to verify the accuracy of the transmission provider’s ATC calculations. We note in response to Powerex that, if any new service taken upon expiration of a pre-Order No. 888 contract, the terms and conditions of the transmission provider’s OATT would apply.</p>	WEQ 2008 Annual Plan Item 2(b)(ii)(1)	<p>These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed:</p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008</p> <p>WEQ EC VOTE: 3rd Quarter, 2008</p> <p>RATIFICATION: 3rd Quarter, 2008</p>
			<p>The NAESB ESS/ITS and BPS are working to draft complementary business practices to the NERC MOD028, MOD029, and MOD030, which includes ETC. The NERC team has determined that there is not a need for explicit posting of ETC values; the ESS/ITS and BPS supports the decision. ESS/ITS/BPS will look at the NERC MODs to determine if additional business practices are needed for ETC components.</p> <p>Recommendation was voted out of subcommittee on June 17, 2008.</p> <p>Formal comment period closed on July 21, 2008.</p> <p>Approved by WEQ EC August 19, 2008.</p> <p><b>Ratified by the membership on 9/22/2008</b></p>

<sup>1</sup> Status is defined as: ✓ - Complete, C – formal commenting period, I – in progress of standards development underway in subcommittee, NS – development not started.

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Order 890 Work Plan					
Status	Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
✓	293	<ul style="list-style-type: none"> <li>Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards (Paragraph 293 will require coordination with the NERC Order 890 reliability standards development)</li> </ul>	WEQ 2008 Annual Plan Item 2(b)(ii)(2)	<p><b>These dates are dependent on NERC deliverables and may be changed if NERC timeliness for Order 890 are changed:</b></p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                      WEQ EC VOTE: 3<sup>rd</sup> Quarter, 2008                      RATIFICATION: 3<sup>rd</sup> Quarter 2008</p>	<p>The ESS/ITS and BPS have created a list of items that are considered post-backs to be used in the creation of post back requirements. NERC has requested that NAESB practices address post-back requirements. (8/16/07)</p> <p>On March 11-12, 2008, the ESS/ITS and BPS passed motions to define high level concepts for counterflows and post backs. Draft standards are being developed by sub-teams.</p> <p>Subcommittee voted recommendation for counterflows and Postbacks out of subcommittee on May 15, 2008.</p> <p>Formal comment period closed on June 23, 2008.</p> <p>Approved by WEQ EC August 19, 2008.</p> <p><b>Ratified by the membership on 9/22/2008.</b></p>
✓	257	<p><b>Capacity Benefit Margin (CBM) Business Practices</b></p> <ul style="list-style-type: none"> <li>Business practice standards to set forth “how the CBM value shall be determined, allocated across transmission paths, and used” and how transmission providers will “reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service.” (Paragraph 257 will require coordination with the NERC Order 890 reliability standards development)</li> </ul> <p><b>Order 890-A:</b></p> <p>68. The Commission directed public utilities, working through NERC and NAESB, to develop clear standards and business practices for how the CBM value is determined,</p>	WEQ 2008 Annual Plan Item 2(b)(iii)(1)	<p><b>These dates are dependent on NERC deliverables and may be changed if NERC timeliness for Order 890 are changed:</b></p> <p>FORMAL COMMENT: 3<sup>rd</sup> Quarter, 2008                      WEQ EC VOTE: 4<sup>th</sup></p>	<p>The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD004.</p> <p>The ESS/ITS and BPS have identified the NAESB business practice standards that may be needed to address CBM, including</p>

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Order 890 Work Plan					
Status	Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
		<p>allocated across transmission paths and flowgates, and used. To ensure that CBM is used for its intended purpose, the Commission provided that CBM shall only be used to allow an LSE to meet its generation reliability criteria. The Commission rejected requests to allow CBM to be used to meet reserve-sharing needs, explaining that TRM is the appropriate category for that purpose. Public utilities were directed to work with NAESB to develop an OASIS mechanism that will allow for auditing of CBM usage.</p> <p>83. The Commission did not mandate a particular methodology for allocating CBM over transmission paths and flowgates in Order No. 890. We therefore reject Southern's argument that development of a consistent methodology for calculating CBM would be harmful to LSEs because reserve needs vary from area to area. While we expect the NERC and NAESB process to produce a consistent and transparent process for setting aside and allocating CBM based on LSE requests, we decline to prescribe a specific method for how CBM should be obtained or allocated or otherwise determine the amount of capacity that the transmission provider has to set aside in response to requests from multiple LSEs.</p>		<p>Quarter, 2008 RATIFICATION: 4th Quarter, 2008</p>	<p>where the CBM value shall be posted; how to allocate priority use of CBM; how to allocate the amount of CBM; the ability to audit CBM usage; a new request type on OASIS to distinguish a CBM reservation; and for the posting of CBM on the OASIS system data template.</p> <p>The joint subcommittee has determined no additional standards need to be developed for this work plan item.</p> <p>Recommendation voted out of subcommittee on July 30<sup>th</sup>.</p> <p>Formal Comment period closes September 5, 2008.</p> <p>Approved by WEQ EC November 7, 2008.</p> <p>Membership Ratification ballot closes December 15, 2008.</p>
✓	262	<ul style="list-style-type: none"> <li>Business practice standards that include an OASIS mechanism to "allow for auditing of CBM usage." (Paragraph 262 does not require coordination with the NERC Order 890 reliability standards development)</li> </ul> <p><b>Order 890-A:</b></p> <p>68. The Commission directed public utilities, working through NERC and NAESB, to develop clear standards and business practices for how the CBM value is determined, allocated across transmission paths and flowgates, and used. To ensure that CBM is used for its intended purpose, the Commission provided that CBM shall only be used to allow an LSE to meet its generation reliability criteria. The Commission rejected requests to allow CBM to be used to meet reserve-sharing needs, explaining that TRM is</p>	WEQ 2008 Annual Plan Item 2(b)(iii)(2)	<p>FORMAL COMMENT: 3rd Quarter, 2008 WEQ EC VOTE: 4<sup>th</sup> Quarter, 2008 RATIFICATION: 4th Quarter, 2008</p>	<p>The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for CBM, including auditing of CBM usage. 8/16/07</p> <p>If we are using existing templates and the existing templates have corresponding "Audit</p>

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		the appropriate category for that purpose. Public utilities were directed to work with NAESB to develop an OASIS mechanism that will allow for auditing of CBM usage.			Templates", additional work may not be needed. The joint subcommittee is working with JISWG on this annual plan item. Changes are expected to be required for WEQ 001, 002, 003, 004, and 013. Recommendation voted out of subcommittee on July 30 <sup>th</sup> . Formal Comment period closes September 5, 2008. Approved by WEQ EC November 7, 2008. <b>Membership Ratification ballot closes December 15, 2008.</b>
✓		<ul style="list-style-type: none"> <li>Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort. (This item is a catchall section in case there are areas where business practices are needed as a result of the NERC CBM reliability standards. This item will require coordination with the NERC Order 890 reliability standards development).</li> </ul>	WEQ 2008 Annual Plan Item 2(b)(iii)(3)	<b>These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed:</b> FORMAL COMMENT: 3 <sup>rd</sup> Quarter, 2008 WEQ EC VOTE: 4 <sup>th</sup> Quarter, 2008 RATIFICATION: 4th Quarter., 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD004. The joint subcommittee has determined no additional standards need to be developed for this work plan item. Recommendation voted out of subcommittee on July 30 <sup>th</sup> . Formal Comment period closes September 5, 2008. Approved by WEQ EC November 7, 2008. <b>Membership Ratification</b>

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✓	272	<ul style="list-style-type: none"> <li>Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM (Paragraph 272 will require coordination with the NERC Order 890 reliability standards development)</li> </ul>	WEQ 2008 Annual Plan Item 2(b)(iv)(1)	<p><b>These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed:</b></p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: N/A</p>	<p>ballot closes December 15, 2008.</p> <p>The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD008.</p> <p>The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for TRM, 8/16/07</p> <p>The ESS/ITS and BPS determined no additional standards needed to be developed for this item and voted for the co-chairs to develop recommendation and post formal comments 3/31/08.</p> <p>Recommendation posted for 30-day formal comment period on April 8<sup>th</sup>.</p> <p>The recommendation was voted out of the EC on May 13.</p>
✓	273	<ul style="list-style-type: none"> <li>The TRM business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM (Paragraph 273 will require coordination with the NERC Order 890 reliability standards development)</li> </ul> <p><b>Order 890-A:</b></p> <p>94. The Commission clarifies that NERC was not directed to identify an actual number or a particular methodology to include in the TRM standards, MOD-008-0 and MOD-009-0. The Commission's intent was to require NERC and NAESB to include consistent criteria and guidelines in the calculation and uses of TRM by transmission providers. Likewise, in response to Southern's concern regarding flexibility to use something other than the ratings reduction method discussed in Order No. 890, we</p>	WEQ 2008 Annual Plan Item 2(b)(iv)(2)	<p><b>These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed:</b></p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: N/A</p>	<p>The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD008.</p> <p>The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for TRM, 8/16/07</p> <p>The ESS/ITS and BPS determined no additional</p>

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		clarify that the ratings reduction method is only an example of a simple method that could be used. Our intent is not to prohibit a transmission provider from using a more sophisticated method, so long as it is consistent with the reliability standards developed by NERC.			standards needed to be developed for this item and voted for the co-chairs to develop recommendation and post formal comments 3/31/08.  Recommendation posted for 30-day formal comment period on April 8 <sup>th</sup> .  The recommendation was voted out of the EC on May 13.
✓		<ul style="list-style-type: none"> <li>Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort (This item is a catchall section in case there are areas where business practices are needed as a result of the NERC TRM reliability standards. This item will require coordination with the NERC Order 890 reliability standards development).</li> </ul>	WEQ 2008 Annual Plan Item 2(b)(iv)(3)	<p><b>These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed:</b></p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: N/A</p>	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD008.  The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for TRM, 8/16/07  The ESS/ITS and BPS determined no additional standards needed to be developed for this item and voted for the co-chairs to develop recommendation and post formal comments 3/31/08.  Recommendation posted for 30-day formal comment period on April 8 <sup>th</sup> .  The recommendation was voted out of the EC on May 13.
✓	301	Business Practice Standards for ATC and AFC Calculation Methodologies to		<b>These dates are</b>	The ESS/ITS and BPS has

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		<p>complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability));</p> <ul style="list-style-type: none"> <li>Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards (Paragraph 301 will require coordination with the NERC Order 890 reliability standards development)</li> </ul> <p><b>Order 890-A:</b></p> <p>53. We clarify in response to NorthWestern that TRM may be used to accommodate the procurement of ancillary services used to provide service under the pro forma OATT. We deny as premature EPSA's and Williams' requests for clarification regarding the real-time determination and posting of ATC and AFC values, as well as posting of utilization of transmission provider's own system ETC. In Order No. 890, the Commission required an exchange of the data both for short and long-term ATC/AFC calculation that will increase the accuracy of ATC calculations.<sup>33</sup> The Commission also required that ATC be recalculated by all transmission providers on a consistent time interval, and in a manner that closely reflects the actual topology of the system, load forecast, interchange schedules, transmission reservations, facility ratings, and other necessary data, and that NERC/NAESB revise the related reliability standard and business practices accordingly.<sup>34</sup> EPSA and William should address their concerns through the NERC and NAESB processes implementing these requirements.</p> <p>60. Order No. 890 requires NERC and NAESB to develop a single set of ATC-related standards that will apply to all transmission providers, including RTOs and ISOs. We understand that the NERC ATC standard drafting team includes representatives from various industry sectors, including RTOs/ISOs, and we encourage NYISO to participate in the standard development process to provide NERC an opportunity to address its concerns. To the extent NYISO feels its concerns are not address in this process, it should bring the issue to the Commission's attention on review of the resulting reliability standards.</p> <p>101. The Commission directed public utilities, working through NERC and NAESB, to revise reliability standard MOD-001 to require ATC to be recalculated by all transmission providers on a consistent time interval and in a manner that closely reflects the actual topology of the system, e.g., generation and transmission outages, load forecast, interchange schedules, transmission reservations, facility ratings, and other necessary data. The Commission stated that this process must also consider whether ATC should be calculated more frequently for constrained facilities.</p>	<p>WEQ 2008 Annual Plan                  Item 2(b)(v)(1)</p>
			<p><b>Target Dates</b>                  dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed:                  FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                  WEQ EC VOTE: 3<sup>rd</sup> Quarter, 2008                  RATIFICATION: N/A</p>
			<p><b>Status</b>                  drafted several sets of language and is in the process of coordinating alignment with the NERC ATC Drafting Team.                  The ESS/ITS and BPS are drafting documents that will facilitate agreement on concepts/scope.                  The ESS/ITS and BPS determined no additional standards needed to be developed for this item and voted for the co-chairs to develop recommendation and post formal comments 4/16/08.                  Recommendation posted for 30-day formal comment period on April 23<sup>rd</sup>.  <b>Approved by WEQ EC August 19, 2008.</b></p>

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		<p>104. The Commission agrees with Powerex that the standards adopted through the NERC and NAESB processes should serve as minimum or "no less frequent than" requirements to recalculate ATC. Transmission providers also must update their ATC calculation when they receive substantial and material changes in data, such as updated load forecasts, changes in topology and dispatch patterns, which may be more frequent than the NERC and NAESB standards would otherwise require. In the absence of substantial and material changes in data, transmission providers are not required to update ATC on a more frequent basis than the minimum frequency that the NERC and NAESB standards require, once implemented. The Commission will consider the adequacy of the time frame for ATC updates on review of these standards.</p> <p>148. In Order No. 890, the Commission required transmission providers to make available, upon request, all data used to calculate ATC, TTC, CBM and TRM for any constrained posted path. We believe that this adequately addresses Constellation's request for access to modeling data used by the transmission provider. Specifically, we expect transmission providers to make available, upon request and subject to appropriate confidentiality protections and CEII requirements, the following modeling data: (1) load flow base cases and generation dispatch methodology; (2) contingency, subsystem, monitoring, change files and accompanying auxiliary files; (3) transient and dynamic stability simulation data and reports on flowgates which are not thermally limited; (4) list of transactions used to update the base case for transmission service request study; (5) special protection systems and operating guides, and specific description as to how they are modeled; (6) model configuration settings; (7) dates and capacities of new and retiring generation; (8) new and retired generation included in the model for future years; (9) production cost models (including assumptions, settings, study results, input data, etc.), subject to reasonable and applicable generator confidentiality limitations; (10) searchable transmission maps, including PowerWorld or PSSE diagrams; (11) OASIS names to Common Names table and PTI bus numbers; and, (12) flowgate and interface limits including limit category (thermal, steady state or transient, voltage or angular). We decline, however, to require the transmission provider to post this information on OASIS, as Constellation suggests. We conclude that making this information available on request provides sufficient transparency for customers without unduly burdening the transmission provider.</p> <p>149. With regard to the modeling support information sought by Constellation, we believe much of this information should already be stated in each transmission provider's Attachment C. In Order No. 890, the Commission required each transmission provider to set forth in the Attachment C to its OATT the ATC calculation methodology used by the transmission provider. To the extent necessary, we clarify that the step-by-step modeling study methodology and criteria for adding or eliminating flowgates (permanent and temporary) is part of the ATC methodology that must be stated in the</p>	

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		<p>transmission provider's Attachment C. We direct any transmission provider that has failed to include this information in its Attachment C to include that information as part of the compliance filing directed in section II.C. If the transmission provider has already satisfied this obligation in a previous compliance filing, it should refer to that filing instead.</p> <p>150. We deny as premature Constellation's request to require OASIS postings of additional model benchmarking and forecasting data/TSR study audit data. Such information would be utilized in the process of updating and benchmarking models to actual events, which is the subject of ongoing efforts to modify relevant reliability standards from the MOD and facilities design, connections and maintenance (FAC) groups.</p> <p>152. We deny TDU Systems' request to require transmission providers to grant customers access to proprietary modeling software used to calculate ATC values. The Commission believes at this time that the requirements of Order No. 890 are sufficient to achieve the Commission's transparency goals without further requiring the disclosure of proprietary software.</p>			

# North American Energy Standards Board

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✓	310	<ul style="list-style-type: none"> <li>Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange (Paragraph 310 will require coordination with the NERC Order 890 reliability standards development)</li> </ul>	WEQ 2008 Annual Plan Item 2(b)(v)(2)	<p><b>These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed:</b></p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: N/A</p>	<p>NERC will be addressing data exchange standards and will identify any new OASIS posting requirements or template query requirements which are needed in order to facilitate data exchange for ATC modeling</p> <p>On March 13, 2008 the ESS/ITS and BPS determined the work associated to this item has been completed by NERC and recommended no further action be taken by NAESB.</p> <p>Recommendation posted for 30-day formal comment period on March 17th.</p> <p>The recommendation was voted out of the EC on May 13.</p>
✓	369	<ul style="list-style-type: none"> <li>Business practice standards that will set forth how transmission providers will post “explanations of the reason for a change in monthly and yearly ATC values on a constrained path.” The standards will include a requirement that the transmission provider post the reason for the change in a narrative form. The posted information will include “the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).” (Paragraph 369 will not require coordination with the NERC Order 890 reliability standards development)</li> </ul> <p>Although not specified in the WEQ 2008 AP, it is expected that this standard will also contain requirements associated with annotations when ATC remains at zero for six months or longer.</p> <p><b>Order 890-A:</b>                      124. We believe that E.ON U.S. overestimates the burden of complying with this requirement. Since TTC standardization is ongoing, it is impossible to identify with</p>	WEQ 2008 Annual Plan Item 2(b)(v)(3)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: 2<sup>nd</sup> Quarter, 2008</p>	<p>Voted out of subcommittee for formal comment on February 13, 2008.</p> <p>Approved by the EC via notational ballot on April 14<sup>th</sup>.</p> <p>Membership ratification completed on May 16<sup>th</sup>.</p>

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✓	413	<p>precision the steps that will need to be taken to comply with the posting requirement. The appropriate forum to raise concerns regarding the burden of particular TTC calculation requirements is in the NAESB standards development process. In any event, we would expect that the posting of narratives for changes in monthly and yearly ATC values as a result of a 10 percent change in TTC will be triggered mainly by topology changes resulting from transmission lines and generator in-service status, as well as new facilities additions, that are reported on OASIS.</p> <p>125. We clarify in response to Southern that transmission providers do not need to list each and every circumstance or occurrence that impacts TTC values from the previous month or year and, instead, may list the primary events that give rise to the update. Again, we expect that TTC changes will generally result from topology changes and, therefore, the primary reasons for an update would be changes in schedules of transmission or generation additions, prolonged outages, or changes in maintenance schedules causing a TTC change of 10 percent. We agree with Southern that the transmission provider should post these narrative explanations on OASIS via a template and data element that is to be defined by NAESB. We direct transmission providers, working through NAESB, to develop the OASIS functionality necessary for such postings. Pending completion of this work by NAESB, we direct transmission providers to post these narrative explanations as comments on OASIS.</p> <ul style="list-style-type: none"> <li>Business practice standards for posting on OASIS of the “underlying load forecast assumptions for all ATC calculations” (Paragraph 413 will not require coordination with the NERC Order 890 reliability standards development)</li> </ul> <p><b>Order 890-B:</b></p> <p>35. We clarify, however, that the Commission intended for transmission providers to post the underlying factors used to make load forecasts that have a significant impact on calculations, such as temperature forecasts, not all economic and other data that underlies each and every daily load forecast. Transmission providers must post a description of their load forecast method including how economic and weather assumptions are used in load forecasting. The Commission’s intent is to increase transparency in the transmission provider’s process of forecasting, providing assurance to customers that loads are consistently being forecast using methodologies which are not subject to daily manipulation to favor affiliates.</p>	WEQ 2008 Annual Plan Item 2(b)(v)(4)	<p><b>These dates are dependent on NERC providing responses to NERC by the BPS/ESS/TTS.</b></p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: 2<sup>nd</sup> Quarter, 2008</p>	<p>Voted out of subcommittee for formal comment on March 10, 2008.                      Approved by the EC via notational ballot on April 23<sup>rd</sup>.                      Recommendation was posted for membership ratification on June 23<sup>rd</sup>.  <b>Membership ratification completed on July 23<sup>rd</sup>.</b></p>
✓	405	<ul style="list-style-type: none"> <li>Business practice standards for posting on OASIS of the “actual daily peak load for the prior day.” (Paragraph 405 will not require coordination with the NERC Order 890 reliability standards development)</li> </ul>	WEQ 2008 Annual Plan Item 2(b)(v)(5)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: 2<sup>nd</sup> Quarter, 2008</p>	<p>Voted out of subcommittee for formal comment on March 10, 2008.                      Approved by the EC via notational ballot on April</p>

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Status <sup>1</sup>	Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
✓		<ul style="list-style-type: none"> <li>Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 (This item was added as a result of the Supplemental SAR NERC created in case additional business practices are needed as a result of the work on this SAR by NERC. It does not have a cite in Order 890. This item will require coordination with the NERC Order 890 reliability standards development).</li> </ul>	WEQ 2008 Annual Plan Item 2 (b)(vi)	Quarter, 2008	23 <sup>rd</sup> . Recommendation posted for Membership Ratification on June 23 <sup>rd</sup> . Membership ratification completed on July 23 <sup>rd</sup> .
✓		<ul style="list-style-type: none"> <li>Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) This item will require coordination with the NERC Order 890 reliability standards development because the language to address this item is contained within a draft standard that addresses items that are dependent on NERC deliverables, i.e., the requirements to create an "ATC Information Link" on OASIS. There is no Order 890 cite for this item.</li> </ul>	WEQ 2008 Annual Plan Item 2 (b)(vii)	These dates are dependent on NERC deliverables and may be changed if NERC timeliness for Order 890 are changed: FORMAL COMMENT: 2 <sup>nd</sup> Quarter, 2008 WEQ EC VOTE: 3 <sup>rd</sup> Quarter, 2008 RATIFICATION: N/A	The ESS/ITS and BPS is in the process of coordinating alignment with the NERC ATC Drafting Team. On May 1, 2008, the subcommittee determined no additional standards were required for this work plan item. Posted for formal comments on May 5, 2008. Approved by WEQ EC August 19, 2008.
✓		<ul style="list-style-type: none"> <li>Develop any additional business practice standards to support transparency reporting and related functions that may be required as a result of the final order.</li> </ul>	WEQ 2008 Annual Plan Item 2(c)	FORMAL COMMENT: 3 <sup>rd</sup> Quarter, 2008 WEQ EC VOTE: 4 <sup>th</sup> Quarter, 2008	Voted out of subcommittee for formal comment on March 13, 2008. Approved by the EC via notational ballot on May 2, 2008. Membership ratification period closes June 27, 2008. Recommendation was ratified by the membership on June 27, 2008. The ESS/ITS and BPS continue to review the need for additional business practice standards.

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▼		Modify WEQ-001 to reflect in the definition of certain ancillary services that such ancillary services may be provided by non-generation resources such as demand resources. ( <a href="http://www.naesb.org/pdf3/weq_ec051308w2.doc">http://www.naesb.org/pdf3/weq_ec051308w2.doc</a> )	WEQ 2008 Annual Plan Item 6(d)	RATIFICATION: N/A  FORMAL COMMENT: 3 <sup>rd</sup> Quarter, 2008 WEQ EC VOTE: 3 <sup>rd</sup> Quarter, 2008 RATIFICATION: 3 <sup>rd</sup> Quarter, 2008	The ATC information list was posted for informal comment on January 22, 2008.  05-13-2008 - The BPS/ESS/TTS was directed by the EC to suspend activity on this item.  ATC Information List has been assigned to a task force of the EC.  Voted out of EC task force for formal comment period ending September 17, 2008.  No action recommendation approved by WEQ EC on October 6, 2008.  Commissioner Wellinghoff letter  Draft recommendation posted for informal comments on June 17, 2008  Recommendation was voted out of subcommittee on July 9 <sup>th</sup> . Formal Comment period closes on August 11 <sup>th</sup> .  Approved by WEQ EC August 19, 2008.  Ratified by the membership on 9/22/2008.

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<b>ESS/ITS ASSIGNMENTS</b>				
	<b>GROUP 0: REALES</b>			
✓ 815, FN 496	<p>The OASIS business practices developed to align the existing NAESB standards with Order 890 will include the requirement that "all sales or assignments of capacity be conducted or otherwise posted on the transmission provider's OASIS on or before the date the reassigned service commences."</p> <p>The OASIS business practices will also conform to Footnote 496 of Order 890. The business practices will include the requirement that the assignee "execute a service agreement directly with the transmission provider." In addition, the business practices will include the requirement that the assignee pay "the transmission provider for service at the negotiated rate and the transmission provider will bill or credit the assignor with any the difference between the negotiated rate and the assignor's original rate."</p> <p><b>Order 890-A:</b></p> <p>394. Reforms to the rules governing reassignments and associated reporting obligations also increase our regulatory oversight of the secondary market, allowing the Commission to effectively monitor that market for any attempts to exercise market power. All reassignments must now be conducted through or otherwise posted on OASIS and assignees must execute service agreements prior to the date on which service commences. Transmission providers must provide information regarding reassignments in their EQRs. As noted above, Commission staff will also closely monitor the quarterly reassignment-related data submitted by transmission providers and prepare a report on staff's findings for the Commission's consideration. The Commission takes seriously the possibility that resellers may attempt to exercise market power in the secondary market for transmission capacity. We continue to believe, however, that the regulatory protections in place and our increased oversight of this market will limit the potential for market power abuse during the period in which the price cap is lifted. There is no need for particularized market power studies regarding secondary transmission capacity, as suggested by TAPS.</p> <p>408. As noted above, the Commission required in Order No. 890 that all sales or assignments of capacity be conducted through or otherwise posted on the transmission provider's OASIS on or before the date the reassignment commences. The Commission thus eliminated the ability of transmission customers to assign transmission rights to another party with subsequent notification to the transmission provider. The Commission also directed transmission providers, working through NAESB, to develop appropriate OASIS functionality to allow such postings. Transmission providers were not required to implement this new OASIS functionality or any related business</p>	WEQ 2007 Annual Plan Item 2(a)(i)	<p>FORMAL COMMENT: Posted for formal comment April 5, 2007 with comments due on May 4, 2007.</p> <p>WEQ EC VOTE: The WEQ Executive Committee adopted a revised recommendation during the May 8, 2007 WEQ EC meeting.</p> <p>RATIFICATION: The recommendation, as revised by the WEQ Executive Committee was posted for member ratification on June 22, 2007 with ballots due on July 23, 2007. The <a href="#">ratification results</a> are posted on the NAESB website.</p>	<p>Completed.</p> <p>The final action is posted on the NAESB WEQ Final Actions page: <a href="#">2007 WEQ Annual Plan Item 2 Final Action - Recommendation for Revision to Final Action R04006D to align the Resales Standards with Order 890</a></p> <p>The Subcommittee believes the final action conforms with Order 890-A.</p>

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	<p>practices until NAESB develops appropriate standards.</p> <p>422. The Commission affirms the decision in Order No. 890 to require assignees to execute a service agreement with the transmission provider governing reassignments of transmission capacity prior to scheduling use of that capacity. We provide clarification of this requirement, however, in response to the concerns raised by petitioners. In Order No. 890, the Commission required that all reassignments be accomplished by the assignee executing a service agreement with the transmission provider that will govern the provision of reassigned service. The Commission did not intend to impose contracting obligations that are more onerous than the acquisition of primary transmission capacity, which may be accomplished through execution of a service agreement followed by scheduling on OASIS. We clarify that it is equally sufficient for an assignee to execute a service agreement governing its reassignments of capacity generally and to complete a particular assignment through the OASIS. However, as with reservations of primary transmission capacity, there remains a threshold requirement to execute a service agreement with the transmission provider in order to commit the assignee to abide by the terms and conditions of the transmission provider's OATT governing the reassignment of transmission service.</p> <p>423. It would not be appropriate to relieve assignees of the obligation to execute a service agreement with the transmission provider since such agreements establish the necessary contractual relationship between the assignee and the transmission provider. As we explain above, sales of reassigned capacity now take place under the transmission provider's OATT and, thus, there must be a contractual relationship between these parties. This does not mean, however, that all of the terms and conditions of a particular assignment must be stated in the service agreement. Like short-term firm and non-firm reservations of primary capacity, the transmission provider and assignee may rely on OASIS to provide information regarding the reseller, quantity, and price associated with a particular reassignment of service. This information would then become part of the binding agreement between the transmission provider and assignee governing the assignment, just as confirmation of short-term firm and non-firm transactions on OASIS constitute binding contractual commitments. Because execution of a service agreement with the transmission provider governing reassignments of capacity is a threshold requirement for an assignee wishing to accomplish a particular reassignment on OASIS, Bonneville's concern regarding the failure of an assignee to return its service agreement is misplaced. The assignee in that instance would have no right to schedule a reassignment on OASIS since it has not first executed the appropriate service agreement with the transmission provider.</p> <p>424. Some of the confusion regarding these contracting requirements may have been caused by the Commission's reference in section 23.1 of the revised pro forma OATT to</p>			

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	<p>a service agreement "that will govern the provision of reassigned service," which could be interpreted to refer to transaction-by-transaction service agreements for reassignments. Inclusion of the words "Long-Term Firm" in both the title of the form of service agreement and the attached specifications in the new Attachment A-1 to the pro forma OATT adopted in Order No. 890 may have added to the confusion by potentially implying that use of the service agreement is limited to long-term firm point-to-point transactions instead of also applying to short-term firm point-to-point and non-firm point-to-point reassignments, as intended by the Commission. We revise section 23.1 of the pro forma OATT and the title of Attachment A-1 to make clear that use of the form of service agreement for reassigned capacity, and associated posting of schedules and transaction information on OASIS, should be similar to the use of such agreements for primary capacity.</p> <p>425. The execution of a service agreement by the assignee does not itself terminate the reseller's service agreement, as EEI argues. The reseller's service agreement remains in place, granting the reseller scheduling rights for the reserved capacity and obligating the reseller to pay for that reservation. During the term of the assignment, the reseller will continue to be billed under its agreement with the transmission provider. The assignment of service simply transfers to the assignee some or all of the reseller's scheduling rights for the period of the reassignment and, in return, obligates the assignee to pay the transmission provider the negotiated rate. In order to prevent over-recovery by the transmission provider, the transmission provider must therefore credit the reseller the reassignment rate, which leaves the reseller with the net difference between the resale rate and the reseller's original rate. If the assignee defaults and fails to pay for the reassigned capacity, the transmission provider should reverse the credit to the reseller to reflect the lack of payment by the assignee.</p> <p>426. We disagree that these billing requirements are unduly burdensome. While it is true that the transmission provider may be required to bill at different rates, that is already the case under the pro forma OATT. Transmission providers are permitted to offer discounts from the rates stated in their OATT, provided they offer such discounts to all eligible customers. Offering discounts thus creates different rates for different customers depending on when they negotiate service. The transmission provider therefore should already have mechanisms in place to bill customers based on rates other than those stated in its OATT. In any event, the need to bill assignees directly for reassignments is inextricably linked to the decision to require that all reassignment transactions take place pursuant to the rate on file in the transmission provider's OATT, rather than bilateral agreements between customers. We therefore do not intend for the discount rule or the price ceilings otherwise stated in the transmission provider's OATT to apply to reassignments of capacity. We have revised schedules 7 and 8 of the pro</p>		

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	<p>forma OATT accordingly.</p> <p>427. We clarify that, to the extent necessary, the costs incurred by the transmission provider to account and bill for reassignments of transmission capacity should be included in the transmission provider's cost of service, just like accounting and billing costs for any other service under the transmission provider's OATT. We decline MidAmerican's request to prohibit further assignments of reassigned capacity. Order No. 888 allowed for multiple reassignments under the pro forma OATT and MidAmerican does not justify departing from this practice. Just as the original transmission customer may find that it has excess capacity it can reassign, so may an assignee. Denying the assignee's right to further assign its scheduling rights would inhibit customers who value the capacity most from accessing it and thereby contradict the Commission goal of creating a competitive secondary market for transmission capacity.</p> <p>428. With regard to OASIS modifications necessary to allow for the reassignment of transmission capacity, the Commission in Order No. 890 already directed transmission providers working through NAESB to develop appropriate OASIS functionality to allow for reassignment-related postings. We understand that this work is on-going and expect any necessary modifications to NAESB's business practices that are necessary to reflect our rulings in this order will be adopted prior to the submission of those standards for Commission review. In the interim, transmission providers should identify in their business practices any procedures necessary to accomplish the reassignment of capacity by their customers.</p>			
	<b>GROUP 1: ANNOTATIONS FOR ATC; LOAD FORECAST AND ACTUAL LOAD; RE-BID OF PARTIAL SERVICE; PRECONFIRMATION PRIORITY; and CONDITIONAL FIRM</b>			
	<p>Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority S&amp;CP Requirements</p>	<p>WEQ 2008 Annual Plan Item 2(a)(i)(1)</p>	<p>FORMAL COMMENT: Sent during the 3rd Quarter 2007.                      WEQ EC VOTE: EC notational ballot due January 16, 2008.                      RATIFICATION: The ratification of the Recommendation will be completed during 1<sup>st</sup> Quarter 2008.</p>	<p><b>Split into individual items – see below</b></p>
✓ 1078	<p><b>Conditional Firm:</b> In Paragraph 1078 of Order 890, the Commission directed transmission providers to "assign short-term firm service to conditional firm customers as the service becomes available." The Commission also directed transmission providers to work with NAESB to "develop the appropriate communications protocols to implement this attribute of conditional firm service." NAESB will develop OASIS</p>	<p>WEQ 2008 Annual Plan Item 2(a)(i)(2)</p>	<p>FORMAL COMMENT: 3<sup>rd</sup> Quarter, 2008                      WEQ EC VOTE: 3<sup>rd</sup> Quarter, 2008                      RATIFICATION: 3<sup>rd</sup> Quarter, 2008</p>	<p>Initial working paper of draft requirements to be posted in April 2008.                      On April 4, 2008, the</p>

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	<p>business practices (to complement the OASIS S&amp;CPs developed in 2008 AP item 2(a)(i)(1)) that will implement the ability to assign short-term firm service to conditional firm customers.</p> <p>Development of communication protocols for conditional firm including tracking mechanism and regional variation. Need to review the tagging rules related to the use of conditional firm.</p> <p><b>Order 890-A:</b></p> <p>566. During non-conditional periods, conditional firm service is subject to pro rata curtailment consistent with curtailment of any other long-term firm service. During the hours or specific system conditions when conditional firm service is conditional, conditional firm service share the same curtailment priority as secondary network service. In such circumstances, transmission providers will be allowed to curtail only for reliability reasons and conditional firm customers during conditional curtailment hours will be curtailed only after all point-to-point non-firm customers have been curtailed. If the customer selects the annual hourly cap option, the transmission provider will have the flexibility to conditionally curtail the customer for any reliability reason during those hours, including but not limited to, the system condition(s) identified in the system impact study.</p> <p>567. The Commission provided that short-term firm service reserved prior to the reservation of conditional firm service will maintain priority over conditional firm service in the periods when conditional firm service is conditional, i.e., when specified system conditions exist or conditional curtailment hours apply. Transmission providers were directed to work with NAESB to develop the appropriate communications protocol to allow for automatic assignment of short-term firm point-to-point service to conditional firm customers to the extent short-term service becomes available. Transmission providers need not implement this requirement until NAESB develops appropriate communications protocols.</p> <p>569. Finally, the Commission recognized that there may be some regional variation in the way transmission providers approach the provision of conditional firm service beyond the minimum attributes that established in Order No. 890. The Commission directed transmission providers located in the same region to coordinate among themselves to develop business practices for implementation of the conditional firm service. In order to allow time for this regional coordination, the Commission directed transmission providers to implement these mechanisms and business practices within 180 days after the publication of this Final Rule in the Federal Register, or October 11, 2007.</p> <p>585. We also agree with MidAmerican that a transmission provider's waiver of a</p>	Home	<p>ESS/ITS voted to send this recommendation out for informal comments due April 11, 2008.</p> <p>Voted out of subcommittee for formal comment on June 24, 2008.</p> <p>Recommendation posted for 30-day formal comment period on June 25<sup>th</sup>.</p> <p>Approved by WEQ EC on August 8, 2008</p> <p><b>Ratified by the membership on 9/25/2008.</b></p>

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	<p>reassessment for conditional firm or planning redispach service does not constitute a waiver of all reassessments for the duration of the service, unless explicitly agreed to by the transmission provider. We reiterate, however, that only one reassessment may be performed in each two-year period of service. We also affirm that any waiver must be granted for similarly situated service, which would include conditional firm or planning redispach service that is limited because of the same constraints or general system limitations. Such a waiver would be an act of discretion that must be posted on OASIS. Waiver of the reassessment presents an opportunity for discrimination among classes of customers on the part of the transmission provider and posting will provide eligible customers with an indicator of how often conditions or redispach requirements have been reassessed. Transmission providers are directed to develop uniform OASIS posting standards, in coordination with NAESB, for transmission providers to post information regarding waivers of the biennial reassessment for planning redispach and conditional firm service.</p>			
✓ 369	<p><b>Annotations for ATC:</b> OASIS Business Practice Standards (to complement the OASIS S&amp;CPs developed in 2008 AP item 2(a)(i)(1)) that will “require that the transmission provider post a brief, but specific, narrative explanation of the reason for a change in monthly and yearly ATC values on a constrained path.” The posting requirements will include posting of “(1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).”</p>	WEQ 2008 Annual Plan Item 2(a)(i)(3)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: 2<sup>nd</sup> Quarter, 2008</p>	<p>Assigned to BPS/ESS/ITS (see above BPS/ESS/ITS item that reference WEQ 2008 AP Item 2(b)(v)(3)).                      Voted out of subcommittee for formal comment on February 13, 2008.                      Approved by the EC via notational ballot on April 14<sup>th</sup>.                      Membership ratification to be completed by May 16<sup>th</sup>.                      Ratified by the membership on 5/16/2008.</p>
✓ 416	<p><b>Load Forecast and Actual Load:</b> OASIS Business Practice Standards (to complement the OASIS S&amp;CPs developed in 2008 AP item 2(a)(i)(1)) for the posting of “load forecasts and actual daily peak load for both system-wide load (including native load) and native load.”</p> <p><b>Order 890-B:</b>                      35. We clarify, however, that the Commission intended for transmission providers to post the underlying factors used to make load forecasts that have a significant impact on calculations, such as temperature forecasts, not all economic and other data that</p>	WEQ 2008 Annual Plan Item 2(a)(i)(4)	<p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2008                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2008                      RATIFICATION: 2<sup>nd</sup> Quarter, 2008</p>	<p>Assigned to BPS/ESS/ITS (see above BPS/ESS/ITS item that reference WEQ 2008 AP Items 2(b)(v)(4) and (5)).                      Voted out of subcommittee for formal comment on March 10, 2008.</p>

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✓	1378	<p>underlies each and every daily load forecast. Transmission providers must post a description of their load forecast method including how economic and weather assumptions are used in load forecasting. The Commission's intent is to increase transparency in the transmission provider's process of forecasting, providing assurance to customers that loads are consistently being forecast using methodologies which are not subject to daily manipulation to favor affiliates.</p> <p><b>Re-bid of Partial Service:</b> OASIS Business practice standards (to complement the OASIS S&amp;CPs developed in 2008 AP item 2(a)(i)(1)) for re-bid of partial service across a single Transmission Provider's system.</p>	WEQ 2008 Annual Plan Item 2(a)(i)(5)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008                      WEQ EC VOTE: 1<sup>st</sup> Quarter, 2008                      RATIFICATION: 1<sup>st</sup> Quarter, 2008</p>	<p>Approved by the EC via notational ballot on April 23<sup>rd</sup>.                      Membership ratification completed on July 23<sup>rd</sup>.</p> <p>Voted out of subcommittee for formal comment on 2/12/2008.                      WEQ EC adopted the recommendation on May 13.                      Membership ratification to be completed by June 23<sup>rd</sup>.                      Recommendation was ratified by the membership on June 23<sup>rd</sup>.</p>
✓	1392, 1401	<p><b>Pre-confirmation Priority:</b> Development of OASIS business practice standards (to complement the OASIS S&amp;CPs developed in 2008 AP item 2(a)(i)(1)) to prohibit "transmission customers from changing a request into a pre-confirmed request and requiring OASIS platforms to be accessible on non-Windows/Explorer computers."  <b>Pre-confirmation Priority:</b> Development of OASIS Business Practice Standards and OASIS S&amp;CPs so that "pre-confirmed non-firm point-to-point transmission service requests and short-term firm point-to-point transmission service requests" have priority though "longer duration requests for transmission service will continue to have priority over shorter duration requests for transmission service." The standards will be written such that pre-confirmation will serve as a "tie-breaker" when the requests are of equal duration.</p>	WEQ 2008 Annual Plan Item 2(a)(i)(6)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008                      WEQ EC VOTE: 1<sup>st</sup> Quarter, 2008                      RATIFICATION: 1<sup>st</sup> Quarter, 2008</p>	<p>Voted out of subcommittee for formal comment on 2/12/2008.                      WEQ EC adopted the recommendation on May 13.                      Membership ratification to be completed by June 23<sup>rd</sup>.                      Recommendation was ratified by the membership on June 23<sup>rd</sup>.</p>
✓		Appendix C – OASIS Exemptions	WEQ 2008 Annual Plan Item 2(a)(i)(7)	<p>FORMAL COMMENT: Voted out of subcommittee 12/17/2007.                      Formal Comment period 12/19/2007 through 1/19/2008.                      WEQ EC VOTE: Approved February 4, 2008                      RATIFICATION: Ratification</p>	<p>Ratified by the membership on 3/13/2008.</p>

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	<b>GROUP 2: METRICS; REDISPATCH COST POSTING</b>			
✓ 413	<p>Metrics: Business Practice standards s to “post on OASIS metrics related to the provision of transmission service under the OATT” including the posting of:</p> <ul style="list-style-type: none"> <li>• “the number of affiliate versus non-affiliate requests for transmission service that have been rejected”;</li> <li>• “the number for affiliate versus non-affiliate requests for transmission service that have been made”;</li> </ul> <p>These standards will also set forth in the above referenced posting requirements the length of the service request and the type of the service requested.</p>	WEQ 2008 Annual Plan Item 2(a)(ii)(1)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008</p> <p>WEQ EC VOTE: 1<sup>st</sup> Quarter, 2008</p> <p>RATIFICATION: 1<sup>st</sup> Quarter, 2008</p>	<p>Voted out of subcommittee for formal comment on 2/12/2008.</p> <p>WEQ EC adopted the recommendation on May 13.</p> <p>Membership ratification to be completed by June 23<sup>rd</sup>.</p> <p>Recommendation was ratified by the membership on June 23<sup>rd</sup></p>
✓ 1318	<p>Metrics: OASIS business practice standards to implement the standard performance (planning study) metrics set forth in Order 890, Paragraphs 1308-1317.</p>	WEQ 2008 Annual Plan Item 2(a)(ii)(2)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008</p> <p>WEQ EC VOTE: 1<sup>st</sup> Quarter, 2008</p> <p>RATIFICATION: 1<sup>st</sup> Quarter, 2008</p>	<p>Voted out of subcommittee for formal comment on 2/12/2008.</p> <p>WEQ EC adopted the recommendation on May 13.</p> <p>Membership ratification to be completed by June 23<sup>rd</sup>.</p> <p>Recommendation was ratified by the membership on June 23<sup>rd</sup></p>
✓ 1162	<p><b>Redispatch Cost Posting:</b> Business practices for redispatch cost postings:</p> <ul style="list-style-type: none"> <li>• The posting of redispatch information will also include the posting of each transmission provider’s “monthly average cost of redispatch for each internal congested transmission facility or interface over which it provides redispatch service using planning redispatch or reliability redispatch under the pro forma OATT.”</li> <li>• The business practice standards for redispatch cost postings will also include functionality for transmission providers to post “a high and low redispatch for the month” each internal congested transmission facility or interface over which it provides redispatch service.</li> </ul>	WEQ 2008 Annual Plan Item 2(a)(ii)(3)	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2008</p> <p>WEQ EC VOTE: 1<sup>st</sup> Quarter, 2008</p> <p>RATIFICATION: 1<sup>st</sup> Quarter, 2008</p>	<p>Voted out of subcommittee for formal comment on 2/12/2008.</p> <p>WEQ EC adopted the recommendation on May 13.</p> <p>Membership ratification to be completed by June 23<sup>rd</sup>.</p> <p>Recommendation was ratified by the membership on June 23<sup>rd</sup></p>

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	<p><b>Order 890-A:</b></p> <p>621. Transmission providers must post internal constraint or interface data for the month if any planning redispatch or reliability redispatch is provided during the month, regardless of whether the transmission customer is required to reimburse the transmission provider for those exact costs. Thus, if the transmission customer pays for planning redispatch pursuant to a negotiated fixed rate, the transmission provider is required to post and calculate the monthly average redispatch costs and the high and low costs in the month even though the transmission provider will bill the customer the fixed rate. The same posting requirement applies if the customer is paying a monthly "higher of" rate. The Commission concluded that the relevant reliability redispatch costs for posting purposes are those costs the transmission provider invoices network customers based on a load ratio share pursuant to section 33.3 of the pro forma OATT. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services. The Commission directed transmission providers to work in conjunction with NAESB to develop this new OASIS functionality and any necessary business practice standards.</p>			on June 23 <sup>rd</sup>
<b>GROUP 3: NETWORK SERVICE ON OASIS</b>				
I 385	<p>Development of OASIS business practice standards and OASIS S&amp;CPs for "transmission providers and network customers to use OASIS to request designation of new network resources and to terminate designation of network resources." Shall be posted on OASIS for 90 days and available for audit for a 5 year period.</p>	<p>WEQ 2008 Annual Plan Item 2(a)(iii)(1)                      See also WEQ 2008 Annual Plan item 3(a)(ii)</p>	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2009                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009                      RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	<p>Concept Paper posted 11/7/2007.                      Concepts discussions continued 4<sup>th</sup> Quarter 2008.</p>
I 385	<p>The standards will include the ability to electronically query requests to designate and terminate network resources and will require development of OASIS templates and to allow for queries of all information provided with designation requests.</p> <p><b>Order 890-B:</b></p> <p>209. We also conclude that concerns regarding the ability to verify or monitor the buyer's decision to designate a purchase of system power as a network resource are overstated in light of the clarification that the buyer and seller must be on the same transmission system. In Order No. 890, the Commission directed transmission providers, working through NERC, to develop OASIS functionality for the designation of network resources and for queries of information provided with designation requests. Parties to a sale of system power on the same transmission system will therefore have</p>	<p>WEQ 2008 Annual Plan Item 2(a)(iii)(2)                      See also WEQ 2008 Annual Plan item 3(a)(ii)</p>	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2009                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009                      RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	<p>Concept Paper posted 11/7/2007.                      Concepts discussions continued 4<sup>th</sup> Quarter 2008.</p>

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I 1477	ready access to the treatment of the resource. Sellers also may rely on commitments made by the buyer to designate the purchase as a network resource.  The standards will include the ability to mask information "about operating restrictions and generating cost on OASIS"	WEQ 2008 Annual Plan Item 2(a)(iii)(3) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 1 <sup>st</sup> Quarter, 2009 WEQ EC VOTE: 2 <sup>nd</sup> Quarter, 2009 RATIFICATION: 2 <sup>nd</sup> Quarter, 2009	Concept Paper posted 11/7/2007. Concepts discussions continued 4 <sup>th</sup> Quarter 2008.
I 1477	Development of OASIS business practice standards and OASIS S&CPs that describe the procedural requirements for submitting designations over any new OASIS functionality.  <b>Order 890-A:</b> 919. The Commission clarifies, in response to South Carolina E&G's request, that the language in paragraph 1521 of Order No. 890 is only meant to be a paraphrase of the more detailed attestation to be provided in the pro forma OATT itself. A network customer designating network resources should submit an attestation using the language set forth in sections 29.2(viii) and 30.2 of the pro forma OATT, as amended in Order No. 890, not the language of the preamble. A network customer is not permitted to merely reference the applicable section of the pro forma OATT when completing the attestation requirement. If the OASIS customer comment section does not currently allow enough space for a network customer to provide its attestation, transmission providers should modify, in coordination with NAESB, OASIS functionality to accommodate the full attestation. In the interim, the transmission provider should identify alternate means, such as by telefax or e-mail, for the network customer to provide the attestation.	WEQ 2008 Annual Plan Item 2(a)(iii)(4) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 1 <sup>st</sup> Quarter, 2009 WEQ EC VOTE: 2 <sup>nd</sup> Quarter, 2009 RATIFICATION: 2 <sup>nd</sup> Quarter, 2009	Concept Paper posted 11/7/2007. Concepts discussions continued 4 <sup>th</sup> Quarter 2008.
I 1504	Development of OASIS business practice standards and OASIS S&CPs to specify how designated network service informational postings are posted on OASIS . Develop details of how the view, download, and query requirements for information posted regarding network resource designations informational postings.	WEQ 2008 Annual Plan Item 2(a)(iii)(5) See also WEQ 2008 Annual Plan item 3(a)(ii)	FORMAL COMMENT: 1 <sup>st</sup> Quarter, 2009 WEQ EC VOTE: 2 <sup>nd</sup> Quarter, 2009 RATIFICATION: 2 <sup>nd</sup> Quarter, 2009	Concept Paper posted 11/7/2007. Concepts discussions continued 4 <sup>th</sup> Quarter 2008.
I 1532	Development of OASIS business practice standards and OASIS S&CPs to set forth the "treatment of OASIS requests when the customer fails to provide the necessary attestation," when submitting a request to designate a new network resource.	WEQ 2008 Annual Plan Item 2(a)(iii)(6)	FORMAL COMMENT: 1 <sup>st</sup> Quarter, 2009 WEQ EC VOTE: 2 <sup>nd</sup> Quarter, 2009	Concept Paper posted 11/7/2007. Concepts discussions

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	<p>Attestation: Formatting of attestation information that will be provided on OASIS.</p> <p><b>Order 890-B:</b></p> <p>182. The Commission grants rehearing to more accurately state the requirement to provide an attestation supporting the designation of network resources pursuant to sections 29.2(viii) and 30.2 of the pro forma OATT. In order to designate a network resource, section 30.7 of the Order No. 888 pro forma OATT required each network customer to demonstrate that (i) it owns or has committed to purchase generation pursuant to an executed contract or (ii) execution of a contract is contingent upon the availability of transmission service in order to designate a generating resource. In Order No. 890, the Commission adopted the attestation requirement as the means by which the network customer can make this demonstration, revising sections 29.2 and 30.2 accordingly. We affirm this requirement, consistent with the network customer's obligations under section 30.7, and grant rehearing of the Commission's statements in this proceeding indicating that the attestation can instead be submitted at the time a resource designation is confirmed, rather than requested.</p> <p>183. We disagree with NRECA and TDU Systems that a customer submitting an attestation pursuant to section 29.2(viii) or 30.2 of the pro forma OATT must commit to purchase the resources for which designation is requested irrespective of the outcome of the network service request. Consistent with section 30.7, a network customer may attest that execution of a contract is contingent upon the availability of transmission service under Part III of the pro forma OATT. Network customers are therefore not required to commit to purchasing a resource prior to submitting a request to designate that resource.</p>	<p>See also WEQ 2008 Annual Plan item 3(a)(ii)</p>	<p>RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	<p>continued 4<sup>th</sup> Quarter 2008.</p>
I 1541	<p>Development of OASIS business practice standards and OASIS S&amp;CPs to describe "the procedural requirements for submitting both temporary and indefinite terminations of network resources, to allow network customers to provide all required information for such terminations." These business practice standards will include the functionality set forth in Order 890, Paragraph 1541.</p>	<p>WEQ 2008 Annual Plan Item 2(a)(iii)(7)                      See also WEQ 2008 Annual Plan item 3(a)(ii)</p>	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2009                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009                      RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	<p>Concept Paper posted 11/7/2007.                      Concepts discussions continued 4<sup>th</sup> Quarter 2008.</p>
I 1541	<p>Development of OASIS business practice standards and OASIS S&amp;CPs to describe "the procedures for submitting and processing requests for concomitant evaluations of transmission requests and temporary terminations."</p> <p><b>Order 890-B:</b></p> <p>188. In Order No. 890, the Commission directed transmission providers to evaluate as a single request a request for temporary undesignation and related requests for</p>	<p>WEQ 2008 Annual Plan Item 2(a)(iii)(8)                      See also WEQ 2008 Annual Plan item</p>	<p>FORMAL COMMENT: 1<sup>st</sup> Quarter, 2009                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009                      RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	<p>Concept Paper posted 11/7/2007.                      Concepts discussions continued 4<sup>th</sup> Quarter 2008.</p>

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	<p>transmission service. Transmission providers were therefore directed to develop, working through NAESB, business practices allowing for electronic identification of related transmission service requests to be evaluated concomitantly with the request for temporary redesignation. This was appropriate in light of the Commission's decision to allow network customers to temporarily redesignate their network resources without forfeiting the right to use the resource at a specified point in the future, provided they pair the temporary redesignation with a request to redesignate the resource.</p> <p>189. We find that similar procedures for permanent redesignations of network resources are unnecessary given the transmission provider's obligation to consider clustering transmission service requests at the request of customers. If a network customer or the transmission provider's merchant function wishes for the transmission provider to take into consideration the effect of a request to terminate a network resource on a concomitant request to designate another network resource, it may request the transmission provider to cluster the requests. As TransServ acknowledges, this will not alter the priority of the network customer or the transmission provider's merchant function with regard to any ATC that may be made available by redesignating the network resource.</p>	3(a)(ii)		
<b>GROUP 4: PRE-EMPTION; REQUEST R05019; and REVISIONS TO STANDARD 9.7</b>				
N S	<p><b>Pre-emption:</b> Revise OASIS business practice standards and OASIS S&amp;CPs so that "a new pre-confirmed request for transmission service would preempt a request of equal duration that has been accepted by the transmission provider but not yet confirmed by the transmission customer." It is the expectation that the business practice standards to address preemption will be developed in conjunction with NAESB Request No. R05019 to modify OASIS standards and OASIS S&amp;CPs to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff.</p> <p>This is consistent with NAESB Standard WEQ 001-4-25.</p> <p><b>Order 890-A:</b></p> <p>814. The Commission affirms the decision in Order No. 890 not to change the "first-come, first served" nature of the reservation process and the right of first refusal. These policies have worked well in the past and, as we explain in Order No. 890, benefit transmission providers and customers alike by facilitating the administration of the reservation process and removing confusion about how to comply.</p> <p>815. We disagree with Duke and TransServ that the right of first refusal policies should be revised based on complex hypotheticals involving the preemption of multiple short-term reservations. The complexities pointed to by these commenters do not by themselves warrant changing the right of first refusal rule. Even though we recognize</p>	WEQ 2008 Annual Plan Item 2(a)(iv)(1)	<p><b>REQUEST FOR RECONSIDERATION PENDING AT FERC MAY IMPACT TARGET DATES.</b></p> <p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2009</p> <p>WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009</p> <p>RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	Not Started

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	<p>the potential for complexities to arise under the right of first refusal rule, we believe them to be relatively limited. In the off-chance that multiple eligible customers with short-term reservations choose to exercise their right of first refusal for the same capacity simultaneously, the Commission believes that they should have a right to do so.</p> <p>816. We therefore decline to expand upon the language of the pro forma OATT to account for every factual scenario that could arise under sections 13.2 and 14.2 of the pro forma OATT. Sections 13.2 and 14.2 of the pro forma OATT set forth adequate guidance for transmission providers to fairly administer competing requests, including the priorities for determining which reservations or requests trump one another as well as the timeframes for eligible customers to respond to competing requests. As noted above, we recognize that certain unique cases can present difficult allocation issues, but conclude that these extreme cases arise infrequently in the normal course of business. In the vast majority of cases, we believe the right of first refusal rules are efficient and easy to administer without further amending the governing tariff language, as Bonneville and Southern suggest.</p> <p>817. To the extent necessary, the Commission clarifies that a “competing request” under sections 13.2 and 14.2 of the pro forma OATT may include a transmission service request that overlaps with only part of another existing transmission service reservation since both requests cannot be granted simultaneously. Accordingly, a “competing request” for purposes of sections 13.2 and 14.2 may also include a transmission service request for which transmission capacity cannot be accommodated without preempting one or more existing transmission reservations of parts thereof.</p> <p>818. In response to TranServ and Duke, we clarify that sections 13.2 and 14.2 allow an eligible customer to retain its original reservation by matching the competing service request’s cost or duration terms exactly or by exceeding one or more of the terms of a competing transmission service request. Since any “match” by an eligible customer in response to a potentially preempting request, by definition, either exceeds the costs, duration or both of the eligible customer’s original reservation, we do not believe eligible customers opting to match a competing request have a strong incentive, if any, to “match” a competing request with terms that exceed the competing request. Nevertheless, we do not see any harm resulting from a match that exceeds the exact terms of a competing request and therefore believe it would not be appropriate to preclude the ability of eligible customers to make such a request.</p> <p>819. With regard to reassignments of capacity in the secondary market, we clarify that the associated right of first refusal under sections 13.2 and 14.2 of the pro forma OATT to match a competing transmission service request applies to the primary transmission service, not the reassignment of scheduling rights. Using TranServ’s example, the reassignment of one day of a customer’s weekly service would not cause the assignor or</p>			

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		<p>the assignee to match a competing three day request for service since the initial one week reservation already exceeded the competing request. The fact that one day of service has been reassigned does not alter the assignor's entitlement to use service for the remaining week reserved.</p> <p><b>Order 890-B:</b>                      161. The Commission declines to address in this rulemaking proceeding how transmission providers should resolve complicated and fact-specific scenarios such as the cascading rights of first refusal described by Duke. Sections 13.2 and 14.2 of the <u>pro forma</u> OATT provide adequate guidance for transmission providers to fairly administer the vast majority of competing requests, including priorities for determining which reservations or requests trump one another as well as the timeframes for eligible customers to respond to competing requests. As the Commission explained in Order No. 890-A, we expect that more complex circumstances such as those suggested by Duke will be relatively limited and, therefore, are best addressed on a case-by-case basis. Transmission providers remain free, however, to develop through the NAESB process standard procedures for processing complicated request scenarios.</p> <p><b>NAESB Request No. R05019:</b> During the work to address FERC Order 890, the ESS/ITS will also use the opportunity to modify OASIS standards and S&amp;CP to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff as requested in <a href="#">NAESB Request No. R05019</a></p>	WEQ 2008 Annual Plan Item 2(a)(iv)(2) R05019	<p><b>REQUEST FOR RECONSIDERATION PENDING AT FERC MAY IMPACT TARGET DATES.</b>                      FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2009                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009                      RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	Not Started
	1269	<p><b>Revisions to Standard 001-9.7:</b> NAESB will continue to work to revise NAESB WEQ business practice standard WEQ 001-9.7 (which addresses rollover rights for Redirected transmission service) to be consistent with the Commission's policies.</p> <p><b>Order 890-A:</b>                      697. Pursuant to Section 22 of the pro forma OATT, a transmission customer taking firm point-to-point service may modify its receipt and delivery points, i.e., redirect its service, on either a non-firm or firm basis. In Order No. 676, the Commission adopted the "Standards for Business Practices and Communication Protocols for Public Utilities" developed by the NAESB's Wholesale Electric Quadrant (WEQ). The WEQ standards include standards addressing requirements for redirects on both a firm and non-firm basis, all of which were incorporated by reference into the Commission's regulations</p>	WEQ 2008 Annual Plan Item 2(a)(iv)(3)	<p>FORMAL COMMENT: 3<sup>rd</sup> Quarter, 2008                      WEQ EC VOTE: 1<sup>st</sup> Quarter, 2009                      RATIFICATION: 1<sup>st</sup> Quarter, 2009</p>	<p>On February 11-12, 2008, the ESS/ITS voted to send this recommendation out for informal comments due March 25, 2008.                      November 4, 2008 WEQ EC Task Force created</p>

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	<p>except for WEQ Standard 001-9.7, which addressed the impact of redirects on the rollover rights of a long-term transmission customer. Order No. 676 directed the WEQ to reconsider WEQ Standard 001-9.7 and develop a revised standard consistent with Commission policy.</p> <p>698. In Order No. 890, the Commission affirmed reliance on the NAESB process to develop business practices implementing the Commission's redirect policy. The Commission also determined that the reforms adopted in Order No. 676, in combination with the OATT-related reforms adopted in this proceeding, were adequate to ensure that transmission providers do not engage in undue discrimination when a customer seeks to modify its receipt and delivery points on a firm basis. With respect to the effect of redirects on rollover rights, the Commission affirmed its policy allowing a redirect of firm, long-term service to retain rollover rights, even if the redirect is requested for a shorter period. The Commission concluded that a transmission customer should not have to choose between maintaining its rollover rights and redirecting on a firm basis. The Commission noted, however, that any change to a delivery point would be treated as a new request for service for purposes of determining availability of capacity. As a result, a redirect right does not grant the customer access to system capacity or queue position different from other customers submitting new requests for service. The Commission also provided guidance regarding the processing of, and pricing for, redirected service.</p> <p>700. If the Commission decides to maintain rollover rights for redirects, MISO proposes the following limitations and requests the Commission to direct NAESB to draft its business practices accordingly. First, MISO suggests that the primary path agreement should have a term of at least five years for any rollover rights to attach. Second, MISO requests that any redirect must be for firm service for one year or longer. If the redirect is for a shorter period, MISO contends that the rollover rights should remain with the original path. Third, MISO requests redirected service to terminate on the same date as the parent service so as to maintain the timing for execution of rollover rights. Finally, MISO suggests that in order to execute a rollover right the redirected service must be requested and granted prior to the one-year deadline for the customer to request rollovers along the original path.</p> <p>702. TransServ also requests clarification regarding the requirement for the rollover right to follow the redirect, regardless of the duration of the redirect. TransServ questions whether a redirect of a long-term firm service reservation for one day qualifies that customer for rollover rights on the redirected service points. TransServ suggests that the Commission instead restrict rollover rights on redirected service points to redirects of five years or longer and further require that the redirect be co-terminus with the original request being redirected. TransServ argues that more guidance regarding implementation</p>			

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	<p>of the rollover and redirect policies will facilitate the NAESB standards development process.</p> <p>704. The Commission denies petitioners' requests to amend the rights of rollover customers to redirect their service. Under section 22.2 of the pro forma OATT, a request for a firm redirect must be treated like a request for new transmission service. As a new request for service, each redirect request is subject to the availability of capacity and subject to the possibility that the transmission provider may not be able to provide rollover rights on the new redirected path. The transmission provider is required to offer rollover rights to a customer requesting a firm redirect only if rollover rights are available on the redirected path, i.e., to the extent not restricted based on reasonable forecasts of native load growth or preexisting contracts that commence in the future.</p> <p>705. As the Commission explained in Order No. 890, rollover rights follow the redirect regardless of the duration of the redirect. A transmission customer making a firm redirect request does not convert its original long-term firm transmission service agreement into two short-term service agreements, nor does it lose its rollover rights under its long-term firm transmission service agreement. At the same time, a customer can exercise its rollover right only at the end of the contract. Thus, if a customer with rollover rights chooses to redirect its capacity for less than the full remaining term of the contract, absent some further request to redirect, the original path will automatically be reinstated and rollover rights would remain on only the original path. By contrast, if the customer chooses to redirect its capacity until the end of its contract, the customer would have rollover rights along only the redirected path, and only to the extent not restricted based on native load growth or future contracts along the redirected path.</p> <p>706. We therefore reject requests to restrict rollover rights to longer-term redirects. A long-term transmission customer may request multiple, successive redirects for firm service. This discretion is limited by the fact that each successive request is treated as a new request for service in accordance with section 17 of the pro forma OATT. Each request is therefore subject to the availability of capacity and subject to the possibility that the transmission provider may not be able to provide rollover rights on the new, redirected path. If the customer has not been granted rollover rights for a redirect that extends to the end of its contract, the redirected service will terminate on the same date as the parent service.</p> <p>707. We also reiterate that a customer cannot exercise any rollover rights unless it first has provided the appropriate notice to the transmission provider. If a customer requests and is granted a rollover right prior to the relevant notice deadline (60 days for pre-Order No. 890 agreements or one year for all others) and subsequently requests and is granted a redirect for firm service for the remainder of the contract term (i.e., within the notice period), the new reservation governs the rights at the new receipt and delivery points and</p>			

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		<p>the customer can obtain rollover rights with respect to the redirected capacity to the extent rollover rights are available for the redirected points. If, however, a customer fails to request a rollover right prior to the relevant notice deadline, the customer forfeits rollover rights along the current or any redirected path.</p> <p>708. We clarify, to the extent necessary, that transfer capability is not freed up for earlier queued service requests until a redirect has been granted. A redirect request must be evaluated in accordance with section 17 of the pro forma OATT using the same system assumptions and analysis applicable to any other new request for service, including whether sufficient ATC exists to accommodate the request. If there is insufficient ATC to offer service to customers in the queue, and an existing customer requests redirected service, any increase in ATC along the original path is contingent upon the acceptance and confirmation of the redirect. It cannot be assumed at the time of a redirect request that the transmission provider will grant the request.</p>			
<b>GROUP 5: PARAGRAPH 1377</b>					
N S	1377	<p>NAESB will develop business practice standards to facilitate the coordination of requests across multiple transmission systems using the principles set forth in Paragraph 1377 of Order 890.</p> <p>Develop S&amp;CPs related to coordination of request across multiple transmission systems.</p> <p><b>Order 890-A:</b></p> <p>762. The Commission also required transmission providers working through NAESB to develop business practice standards to better coordinate transmission requests across multiple transmission systems. In order to provide guidance to NAESB, the Commission articulated the principles that should govern processing across multiple systems. The Commission further required transmission providers working through NAESB to develop business practice standards to allow a transmission customer to rebid a counteroffer of partial service so the transmission customer can take the same quantity of service for linked transmission service requests across multiple systems. The Commission explained that the transmission customer should not be required to take the same quantity of service across consecutive transmission service requests and, instead, it should simply have the option to do so.</p> <p>766. The Commission affirms the decision in Order No. 890 to rely on the NAESB process to develop business practices to govern the processing of transmission requests across multiple transmission systems. We decline to dictate at this time, beyond those principles outlined in Order No. 890, the particular practices that must be implemented. It is more appropriate to allow transmission providers working through NAESB, in the first instance, to consider how best to ensure coordination across multiple systems. It is</p>	WEQ 2008 Annual Plan Item 2(a)(v)(1)	<p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2009</p> <p>WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009</p> <p>RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	Not Started

# North American Energy Standards Board

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		also appropriate to give NAESB an open timeframe to develop these standards since they must be broad enough to account for the complexities of coordinating multi-system transmission service requests.			
N S	1378	<b>Re-bid of Partial Service:</b> OASIS Business practice standards for re-bid of partial service across multiple Transmission Providers' systems. NAESB will develop business practice standards to "allow a transmission customer to rebid a counteroffer of partial service so the transmission customer is allowed to take the same quantity of service across all linked transmission service requests.	WEQ 2008 Annual Plan Item 2(a)(v)(2)	FORMAL COMMENT: 2 <sup>nd</sup> Quarter, 2009 WEQ EC VOTE: 2 <sup>nd</sup> Quarter, 2009 RATIFICATION: 2 <sup>nd</sup> Quarter, 2009	Not Started
<b>GROUP 6: MISCELLANEOUS</b>					
N S	1390	NAESB plans to review the existing business functions set forth in the NAESB WEQ standards to determine if changes should be made to address Paragraph 1390 of Order 890. FERC: 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 request is "meaningfully different" than initial request. ESS/ITS: need to review if this has any impact on business functions.	WEQ 2008 Annual Plan Item 2(a)(vi)(1)	FORMAL COMMENT: 2 <sup>nd</sup> Quarter, 2009 WEQ EC VOTE: 2 <sup>nd</sup> Quarter, 2009 RATIFICATION: 2 <sup>nd</sup> Quarter, 2009	Not Started
N S	1627	Development of OASIS business practice standards and OASIS S&CPs for "the posting of additional curtailment information on OASIS" via a "detailed template for the posting of additional information on OASIS regarding firm transmission curtailments." Posting of curtailment information on OASIS: develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. <b>Order 890-A:</b> 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	WEQ 2008 Annual Plan Item 2(a)(vi)(2)	FORMAL COMMENT: 2 <sup>nd</sup> Quarter, 2009 WEQ EC VOTE: 2 <sup>nd</sup> Quarter, 2009 RATIFICATION: 2 <sup>nd</sup> Quarter, 2009	Not Started

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1005	<p>services and customers curtailed (including the transmission provider's own retail loads), and the duration of the curtailment.</p> <p><b>Redispatch Cost Posting:</b> Business practices for redispatch cost postings:                      The business practice standards for redispatch cost postings will include OASIS business practices and any needed additions or revisions to the OASIS Standards &amp; Communication Protocols (S&amp;CPs) to allow for posting of third party offers of planning redispatch services. The business practice standards developed for redispatch cost postings may affect the existing NAESB business practice standards for Transmission Loading Relief. (moved from Group 2)</p> <p><b>Order 890-A:</b>                      568. Transmission providers also were directed to work with customers to facilitate the use of third party generation, where available, in provision of planning redispatch. To facilitate provision of redispatch service by third parties, the Commission further directed transmission providers, working through NAESB, to modify their OASIS sites and develop any necessary business practices to allow for posting of third party offers to provide planning redispatch. Again, transmission providers were not required to implement the new OASIS functionality and any related business practices until NAESB develops appropriate standards.</p> <p><b>Order 890-B:</b>                      131. In Order No. 890, the Commission directed transmission providers to modify their OASIS sites to allow for posting of third-party offers for planning redispatch and to work with NAESB to develop the OASIS functionality and any necessary business practice standards to allow for third-party planning redispatch. The Commission noted that provision of third party planning redispatch required coordination between the customer, transmission provider and reliability coordinator, but determined that the customer bears the burden to ensure that the necessary contractual and technical arrangements are in place to maintain reliability.</p>	<p>WEQ 2008 Annual Plan Item 2(a)(vi)(3)</p>	<p>FORMAL COMMENT: 2<sup>nd</sup> Quarter, 2009                      WEQ EC VOTE: 2<sup>nd</sup> Quarter, 2009                      RATIFICATION: 2<sup>nd</sup> Quarter, 2009</p>	<p>Not Started</p>
✓ 243-244	<p><b>Posting of ETC:</b> OASIS business practice standards and S&amp;CPs necessary to implement the Business Practice Standards developed to complement NERC Reliability Standards for <b>Existing Transmission Commitment (ETC)</b> to create a "consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses", including the elements of ETC for full implementation of the NERC MOD-001 reliability standard. (moved from Group 1)*</p> <p>*Requirements for a "consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed</p>	<p>WEQ 2008 Annual Plan Item 2(a)(vi)(4) and 2(a)(iv)(4)</p>	<p>FORMAL COMMENT: 2nd Quarter, 2008                      WEQ EC VOTE: 3<sup>rd</sup> Quarter, 2008                      RATIFICATION: 3<sup>rd</sup> Quarter, 2008</p>	<p>Started May 15, 2008. Task has been reassigned to BPS/ESS/ITS. Recommendation was voted out of subcommittee on June 17, 2008.                      Formal comment period closes on July 21, 2008.</p>

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	uses" is assigned to BPS/ESS/TTS (see above BPS/ESS/TTS item that references WEQ 2008 AP Items 2(b)(ii)(2)).			Approved by WEQ EC August 19, 2008. Ratified by the membership on 9/22/2008.
<b>GROUP 7: Tagging for Conditional Firm Service, Submittal Windows</b>				
✓	<p><b>Order 890-A, paragraph 592</b></p> <p><b>Tagging for CFS:</b> Within 180 days of Order 890-A publication, develop tracking capabilities and business practices for tagging for implementation of conditional firm service.</p> <p><b>Order 890-A:</b> 592. We agree with petitioners that the NAESB rules regarding tagging do not allow a transmission provider to change the tag of a transmission customer. That is why, in Order No. 890, the Commission directed transmission providers to coordinate with other transmission providers in their regions to develop their own business practices to implement the tagging and tracking of conditional firm service. Upon consideration of petitioners' concerns, we grant rehearing to require transmission providers, in coordination with NERC and NAESB, to develop within 180 days of publication of this order in the Federal Register a consistent set of tracking capabilities and business practices for tagging for implementation of conditional firm service. We agree with petitioners that a consistent set of practices followed by the industry will reduce transmission provider discretion and bring uniformity in implementing conditional firm service. In the interim, the existing business practices of each transmission provider for tracking and tagging conditional firm service shall remain in effect.</p>	WEQ 2008 Annual Plan Item 2(a)(vii)(1)	FORMAL COMMENT: 3 <sup>rd</sup> Quarter 2008 WEQ EC VOTE: 3 <sup>rd</sup> Quarter 2008 RATIFICATION: 3 <sup>rd</sup> Quarter 2008	Assigned to the ESS/TTS. Order 890-A publications date: January 16, 2008. On April 4, 2008, the ESS/TTS voted to send this recommendation out for informal comments due April 11, 2008. Recommendation posted for 30-day formal comment period on June 25 <sup>th</sup> . Approved by WEQ EC on August 8, 2008. Ratified by the membership on 9/25/2008.
N S	<p><b>Order 890-A, paragraph 805</b></p> <p><b>Submittal Windows:</b> Standardized practices for allocating capacity among requests received during a submittal window.</p> <p><b>Order 890-A:</b> 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.</p>	WEQ 2008 Annual Plan Provisional Item 7	FORMAL COMMENT: WEQ EC VOTE: RATIFICATION:	No date assigned for completion.

**North American Energy Standards Board**  
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**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008  
Requesters: DSM-EE Subcommittee  
Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

**1. RECOMMENDED ACTION:**

- Accept as requested
- Accept as modified below
- Decline

**EFFECT OF EC VOTE TO ACCEPT RECOMMENDED ACTION:**

- Change to Existing Practice
- Status Quo

**2. TYPE OF DEVELOPMENT/MAINTENANCE**

**Per Request:**

- Initiation
- Modification
- Interpretation
- Withdrawal
  
- Principle
- Definition
- Business Practice Standard
- Document
- Data Element
- Code Value
- X12 Implementation Guide
- Business Process Documentation

**Per Recommendation:**

- Initiation
- Modification
- Interpretation
- Withdrawal
  
- Principle
- Definition
- Business Practice Standard
- Document
- Data Element
- Code Value
- X12 Implementation Guide
- Business Process Documentation

**3. RECOMMENDATION**

**SUMMARY:**

The standards support the measurement and verification characteristics of Demand Response programs administered for application in the wholesale market and may be the subject of individual tariffs filed with and approved by the Federal Energy Regulatory Commission.

**RECOMMENDED STANDARDS:**

*DISCLAIMER: This document contains draft information on standards for wholesale electricity Demand Response products and services in markets administered by Independent System Operators and Regional Transmission Organizations (hereinafter referred to as "System Operator"). The information contained within this draft is not intended to replace applicable tariff, market rules, operating procedures, protocols or manuals, for wholesale Demand Response, and in the event of a conflict, the latter documents shall have precedence over these standards.*

Contact information: Eric Winkler, Ph.D., ISO New England, 413-540-4513, ewinkler@iso-ne.com

WEQ-015 Business Practices for Wholesale Electricity Demand Response Programs - Please see attached documentation.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

#### 4. SUPPORTING DOCUMENTATION

**a. Description of Request:**

Develop business practices to support demand side management and energy efficiency programs in the wholesale and retail electric markets.

**b. Description of Recommendation:**

For the first phase, develop business practices to support the measurement and verification aspects of the wholesale market demand response programs.

**c. Business Purpose:**

The business practices may be used by the administrators of wholesale demand response programs to add market transparency and understanding in the application of the measurement and verification characteristics of those programs.

**d. Commentary/Rationale of Subcommittee(s)/Task Force(s):**

- **April 11, 2007:** Several representatives of the NAESB WEQ, REQ, and RGQ as well as representatives of the US Department of Energy, US Environmental Protection Agency, FERC, and other industry experts met at the Department of Energy offices in Washington, D.C. to discuss the NAESB effort to draft business practices for Demand Side Management and Energy Efficiency. Ongoing Energy Efficiency and DSM projects and programs by other groups (such as NAPEE) were reviewed by the meeting attendees. The following resolution outlines the scope of the initial effort by NAESB to draft business practice standards for these topics: It was decided that NAESB should begin its standards development focus on measurement and verification of energy savings and peak demand reduction from both a wholesale and retail electric market perspective. A future schedule of meetings for DSM and Energy Efficiency should be posted on the NAESB website shortly.
- **May 24, 2007:** 75 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants (22% more than the first meeting) met in person and by conference telephone at NAESB headquarters in Houston to refine the scope of Phase 1 activities, agreeing on a specific list of tasks and assigning subgroups of volunteers to work on each task. At this meeting, no less than 28 individuals spoke to the group.
- **June 18, 2007:** 51 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants met in person and by conference telephone at BGE offices in Baltimore to further refine the scope of Phase 1 activities by reviewing the initial task list and revising it with more detailed deliverable requirements and dates, and with identification of base documents to support completing each task.
- **July 26, 2007:** 46 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants met in person and by conference telephone at AGA offices in Washington DC to present deliverables of existing demand response measurement and verification protocols and a list of 41 possible topics and subtopics for NAESB model



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

business practices. The task force reviewed all 41 possibilities, deciding whether to draft MBPs and which ones can be grouped together.

- **September 14, 2007:** The results of the meeting including possible standards text were sent out for comment including notes, considerations and possible standards text. Comments were requested on each of the nine standards development areas including whether the remarks were directed to wholesale or retail markets, pre program evaluation or post implementation evaluation, or to DSM or EE projects.
- **September 25, 2007:** A DSM-EE meeting was held in Austin, Texas hosted by ERCOT. The purpose of the meeting was to review the comments, determine the level of progress made towards the task list and determine if adjustments to the task, focus or schedule were needed. When reviewing the comments it was determined to focus in five areas specific to demand response programs, and develop business practice standards that would prove helpful – (1) DR programs administered by ISOs and RTOS in the wholesale markets, (2) DR programs administered by utilities in wholesale markets, (3) DR programs administered by utilities in the retail markets, (4) a glossary to support the DR programs, and (5) a preamble to put the business practice standards in context. To focus on the DR programs, each of the three areas outlined will develop a matrix that describes the aspects of the DR programs in effect today, planned, or has been in effect in the past.
- **November 6, 2007:** Several of the NAESB leadership met with Commissioners Kerr and Ervin of NC to gain further understanding of expectations for DSM-EE NAESB activity for electricity for the retail markets.
- **November 11, 2007:** NAESB participated in a panel on DSM-EE at the NARUC Annual Meeting in Anaheim.
- **November 30, 2007:** Meeting hosted by Dominion in Richmond. During the meeting, each of the five groups described the progress made and plans to date. Drafts of the three matrices were reviewed, as was a draft glossary and outline for the preamble. It is possible that the two wholesale matrices will be combined. The calendar for 2008 was also set. The next meeting is scheduled for January 23 in Baltimore hosted by BGE.
- **December 3, 2007:** A meeting was held with Commissioner Mason of Ohio to gain further understanding of expectations for DSM-EE NAESB activity for natural gas for the retail markets.
- **January 23, 2008:** The group met in Baltimore to review progress on the two matrices, the preamble and the glossary. The wholesale matrix for DR programs administered by ISOs and RTOs was reviewed. Data is being placed in five separate categories -Initial Testing and Auditing, Ongoing Testing and Auditing, Triggering; Construction, Statistical Analysis, Performance and Baselines. The matrix for retail DR programs is lagging but several companies have provided or agreed to provide data – including BGE, Dominion, ConEd, Alabama Power and ComVerge. Procedures for how to collect the data was discussed with both interviews online and distributed surveys discussed. Both the preamble and glossary while first drafts are available are dependent on the work of the matrices and cannot be further developed until after more progress has been made on the matrices.



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- **March 28, 2008:** The group met in Houston to review progress on the two matrices. The wholesale matrix for DR programs administered by ISOs and RTOs was reviewed. The matrix had expanded significantly to provide for more comparability for responses. 45 DR programs have been identified and the data is now being verified. A template for the type of standards to be expected from this effort was reviewed. The retail matrix now has additional data and several interviews were conducted online, with the conclusion that it is the preferred way to gather data. The retail group is to set up a face-to-face meeting in May to review the matrix and make changes before sending it out to utilities for interviews.
- **May 30, 2008** – The group met in Holyoke to continue review progress on the two matrices. The wholesale matrix for DR programs administered by ISOs and RTOs was reviewed. The matrix had expanded significantly to provide for more comparability for responses. With the 45 DR programs identified, the group is now consolidating the data to higher levels from the more specific items collected. With the consolidation, the business practices should be drafted. The outline for the business practices has been prepared. The retail matrix now has contributions from 11 DR programs and the matrix structure is being validated against flow charts of the programs. Once the matrix structure is validated, online interviews will be held. It was determined to concentrate on dispatchable DR programs first.
- **July 30, 2008** – The group met in Carmel, Indiana hosted by ACES Power to review the progress made in the two efforts. With the 45 DR programs identified, the wholesale group has consolidated the data to higher levels and draft language is being developed around four product types, energy, capacity, regulation and reserves which incorporate information from various ISO/RTOs, as well as other entities. For the retail effort, the group is relying on work from AEIC regarding process flow and applying that flow to DR programs in place. From the flows, draft standards are being prepared. Once the draft standards are prepared, efforts will be to collect through interviews information from other utilities, geographically diverse and administering programs different from those already documented. Through the interviews it is expected that we would validate both the matrix and the draft standards. The retail group is initially focusing on dispatchable DR programs. Coordination is also underway with NERC on the development of a DR survey and with the AEIC. Work will soon begin with both groups to include the glossary and the preamble text.
- **October 3, 2008** – The group met in Austin, Texas hosted by ERCOT to review progress made in development of M&V standards for retail and wholesale DR programs. A recommendation of business practice standards for the wholesale market was reviewed by the group. After discussion, it was the intent that the recommendation be distributed for a two week informal comment period. The comments would be discussed at the December meeting including any suggested changes. After discussion on December 2, the recommendation will either be voted out of subcommittee and would proceed to a formal comment period and Executive Committee consideration, or the recommendation would continue to be modified by the subcommittee through another round of informal comments. For retail, the subgroup has collected detailed data on some DR programs underway. After review of the wholesale effort, it was discussed that the retail subgroup would hold a two day session to determine whether to proceed at the level defined in the wholesale recommendation, or proceed to define more prescriptive standards.
- **December 2, 2008** – The group met in Birmingham hosted by Alabama Power to review comments and vote on the recommendation for Wholesale Electric Quadrant standards for M&V



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characteristics for DR products and services. After considerable discussion, and several votes to amend the recommendation the recommendation with the amendments put forward by the ISOs and RTOs and three separate amendments addressing titling, applicability, and additional specificity for the definition of Baseline, the motion to adopt the revised recommendation was approved with significant support. with 86.5 percent approval by balanced vote. All WEQ segments were present and voting. The revised recommendation will go out for a thirty day comment period and is now considered a work product of the WEQ EC. The abbreviated update report was given for the Retail market effort. The Retail group plans to use the WEQ revised recommendation as a foundation for their work.

**e. Additional Background documentation**

- DSM-EE NAESB page for meetings and materials: <http://www.naesb.org/dsm-ee.asp>
- Presentation of the wholesale recommendation given on October 3: ISO presentation - <http://www.naesb.org/pdf3/dsmee100308w7.pdf>
- Presentation on the NAESB process to be used – given on October 3: <http://www.naesb.org/pdf3/dsmee100308w8.pdf>

*[At a later time a supporting document with clarifying information will be provided as a Technical Implementation Business Practice]*



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## **Business Practices for a Framework for Measurement and Verification of Wholesale Electricity Demand Response**

### **Introduction**

#### **1. Measurement and Verification Standards**

These Measurement and Verification (M&V) standards are intended to facilitate Demand Response in wholesale electricity markets by providing a common framework for the following:

- Transparency: accessible and understandable M&V requirements for Demand Response products;
- Accountability: criteria that will enable the System Operator to accurately measure performance of Demand Response resources; and
- Consistency: standards applicable across all wholesale electricity markets.

#### **2. Applicability of Measurement and Verification Standards:**

##### **ISO/RTO Administered Markets**

These standards are applicable only to Independent System Operator-Regional Transmission Organization administered markets in North America. The standards reflect business practices applicable to measurement and verification of wholesale market Demand Response services including the following four product/service categories<sup>1</sup>:

##### **Energy Service**

A type of Demand Response service in which Demand Resources are compensated based solely on Demand reduction performance during a Demand Response event.

##### **Capacity Service**

A type of Demand Response service in which Demand Resources are obligated over a defined period of time to be available to provide Demand Response upon deployment by the System Operator.

##### **Reserve Service**

A type of Demand Response service in which Demand Resources are obligated to be available to provide Demand reduction upon deployment by the System Operator, based on reserve capacity requirements that are established to meet applicable reliability standards.

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<sup>1</sup> The terms Product(s) or Service(s) may be used interchangeably in these standards.



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**Regulation Service**

A type of Demand Response service in which a Demand Resource increases and decreases Load in response to real-time signals from the System Operator. Demand Resources providing Regulation Service are subject to dispatch continuously during a commitment period. Demand Resources providing Regulation Service automatically respond to changes in grid frequency (similar to the governor action on a generator), and also are subject to continuous dispatch based on instructions from the System Operator (similar to Automatic Generation Control). Provision of Regulation Service does not correlate to Demand Response Event timelines, deadlines and durations.

These standards establish Demand Response M&V criteria. They do not establish requirements related to the compensation, design, operation, or use of Demand Response services. In these regards, System Operators are not required to offer these Services and may not currently offer each of these Services. Terms that are capitalized in these standards have the meanings ascribed to them in the Definitions of Terms section.

For purposes of these Measurement and Verification standards, Demand Response does not include Measurement and Verification of energy efficiency or permanent Load reduction.

**Tariff Conflict and NERC Standards:**

In the event of a conflict between these business practices and the System Operator's Tariffs, market rules, operating procedures, protocols or manuals, the Tariff, market rules, operating procedures, protocols or manuals shall have precedence. Terms defined in the Definition of Terms do not modify or supersede market rule or tariff definitions that apply to the compensation, design, operation, or use of Demand Response services. Additionally, all entities supplying Demand Response Services shall comply with applicable NERC reliability standards.

**Non-ISO/RTO Markets:**

These standards do not apply in markets administered by non-ISO/RTOs. Wholesale Demand Response standards applicable to non- ISO/RTO markets will be developed when required.



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**3. Overview of the Standards**

These M&V standards establish criteria for the use of equipment, technology, and procedures to quantify the Demand Reduction Value delivered. Standards developed may include commonalities among product types. The following outline of standards is applicable to the four Demand Response product categories.

<b>General</b>	Advance Notification
	Deployment Time
	Reduction Deadline
	Release/Recall
	Normal Operations
	Demand Resource Availability Measurement
	Aggregation
	Transparency of Requirements
<b>Telemetry</b>	Telemetry Requirement
	Telemetry Accuracy
	Telemetry Interval
	Other Telemetry Measurements
	Communication Protocol
	Governor Control Equivalent
	On-Site Generation Telemetry Requirement
<b>After-The-Fact Metering</b>	After-the-Fact Metering Requirement
	Meter Accuracy
	Details of Meter/Equipment Standards
	Meter Data Reporting Deadline
	Meter Data Reporting Interval
	Clock / Time Accuracy
	Validating, Editing & Estimating (VEE) Method
	On-Site Generation Meter Requirement
<b>Performance Evaluation</b>	Rules for Performance Evaluation



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**Performance Evaluation Methodology**

For each Demand Response service, a performance evaluation methodology is used to determine the Demand Reduction Value provided by a Demand Resource. The standards include descriptions of acceptable Baselines and alternative performance measurements that are appropriate for each of the four types of Demand Response services. The table below provides an outline of the applicable criteria for performance evaluation methodologies.

<b>Baseline Information</b>	Baseline Window
	Calculation Type
	Sampling Precision and Accuracy
	Exclusion Rules
	Baseline Adjustments
	Adjustment Window
<b>Event Information</b>	Use of Real-Time Telemetry
	Use of After-The-Fact Metering
	Performance Window
	Measurement Type
<b>Special Processing</b>	Highly-Variable Load Logic
	On-Site Generation Requirements

These standards do not specify detailed characteristics of performance evaluation methodologies, but rather provide a framework that may be used to develop performance evaluation methodologies for specific Demand Response services. This approach is believed to be most appropriate at this time as development of performance evaluation methodologies and baseline calculations continues to mature. The following methodology types are applicable to wholesale Demand Response Services:

**Maximum Base Load:** A performance evaluation methodology based solely on a Demand Resource's ability to reduce to a specified level of electricity demand, regardless of its electricity consumption or demand at Deployment.

**Meter Before / Meter After:** A performance evaluation methodology where electricity consumption or demand over a prescribed period of time prior to Deployment is compared to similar readings during the Sustained Response Period.

**Baseline Type-I:** A Baseline performance evaluation methodology based on a Demand Resource's historical interval meter data which may also include other variables such as weather and calendar data.

**Baseline Type-II:** A Baseline performance evaluation methodology that uses statistical sampling to estimate the electricity consumption of an Aggregated Demand Resource where interval metering is not available on the entire population.



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**Metering Generator Output:** A performance evaluation methodology, used when a generation asset is located behind the Demand Resource's revenue meter, in which the Demand Reduction Value is based on the output of the generation asset.

Performance Evaluation Type	Valid For Service Type			
	Energy	Capacity	Reserves	Regulation
Maximum Base Load	✓	✓	✓	
Meter Before / Meter After	✓	✓	✓	✓
Baseline Type-I	✓	✓	✓	
Baseline Type-II	✓	✓	✓	
Metering Generator Output	✓	✓	✓	✓



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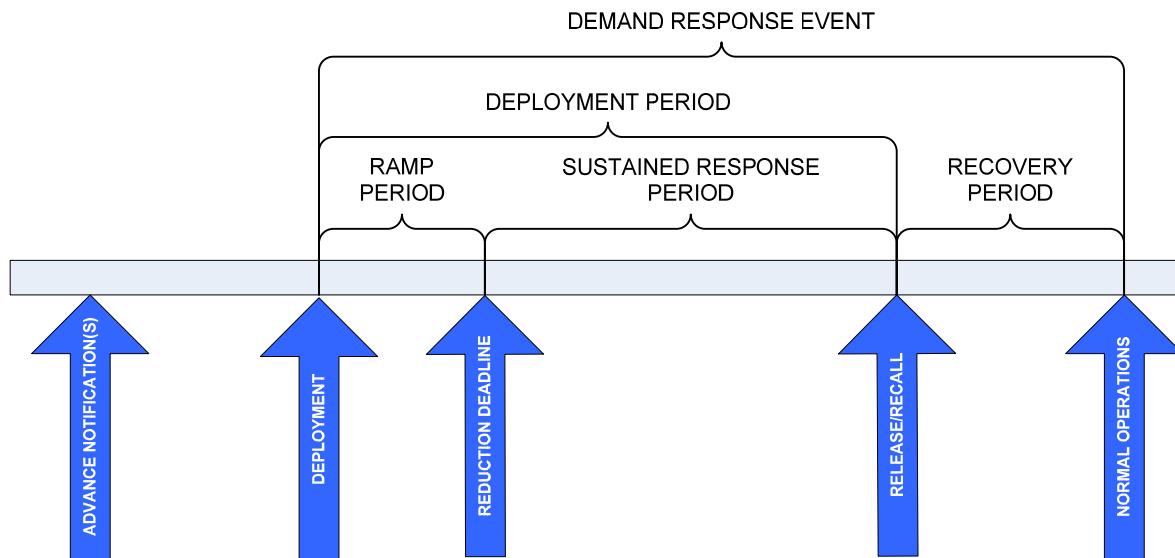
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**Definition of Terms**

**DEMAND RESPONSE EVENT TERMS**

**Illustration of Timing of a Demand Response Event**

The illustration below represents the terms for timing events and time durations applicable to the characteristics of a Demand Response Event. The definitions of the ten elements in the illustration are the basis for describing the Timing of a Demand Response Event. The applicability of these elements to a Demand Response Service is dependent on the Service type. The System Operator shall specify whether any or all of the elements illustrated in the Timing Demand Response Event figure are applicable. In some cases, some elements will not be applicable; the inclusion of the elements establish a requirement for said elements.



**Figure 1. Timing of a Demand Response Event**

The following terms refer to the above Figure 1.

**Advance Notification(s)**

One or more communications to Demand Resources of an impending Demand Response Event in advance of the actual event.

**Demand Response Event**

The time periods, deadlines and transitions during which Demand Resources perform. The System Operator shall specify the duration and applicability of a Demand Response Event. All deadlines,



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time periods and transitions may not be not applicable to all Demand Response products or services.

**Deployment**

The time at which a Demand Resource begins reducing Demand on the system in response to an instruction.

**Deployment Period**

The time in a Demand Response Event beginning with the Deployment and ending with the Release/Recall.

**Normal Operations**

The time following Release/Recall at which a System Operator may require a Demand Resource to have returned its Load consumption to normal levels, and to be available again for Deployment.

**Ramp Period**

The time between Deployment and Reduction Deadline, representing the period of time over which a Demand Resource is expected to achieve its change in Demand.

**Recovery Period**

The time between Release/Recall and Normal Operations, representing the window over which Demand Resources are required to return to their normal Load .

**Reduction Deadline**

The time at the end of the Ramp Period when a Demand Resource is required to have met its Demand Reduction Value obligation.

**Release/Recall**

The time when a System Operator or Demand Response Provider notifies a Demand Resource that the Deployment Period has ended or will end.

**Sustained Response Period**

The time between Reduction Deadline and Release/Recall, representing the window over which a Demand Resource is required to maintain its reduced net consumption of electricity.

**GENERAL TERMS**

**Adjustment Window**

The period of time prior to a Demand Response Event used for calculating a Baseline adjustment.

**After-the-Fact Metering**

Interval meter data separate from Telemetry that is used to measure Demand Response. May not apply to Demand Resources under Baseline Type II (Non-Interval Meter).

**Aggregated Demand Resource**



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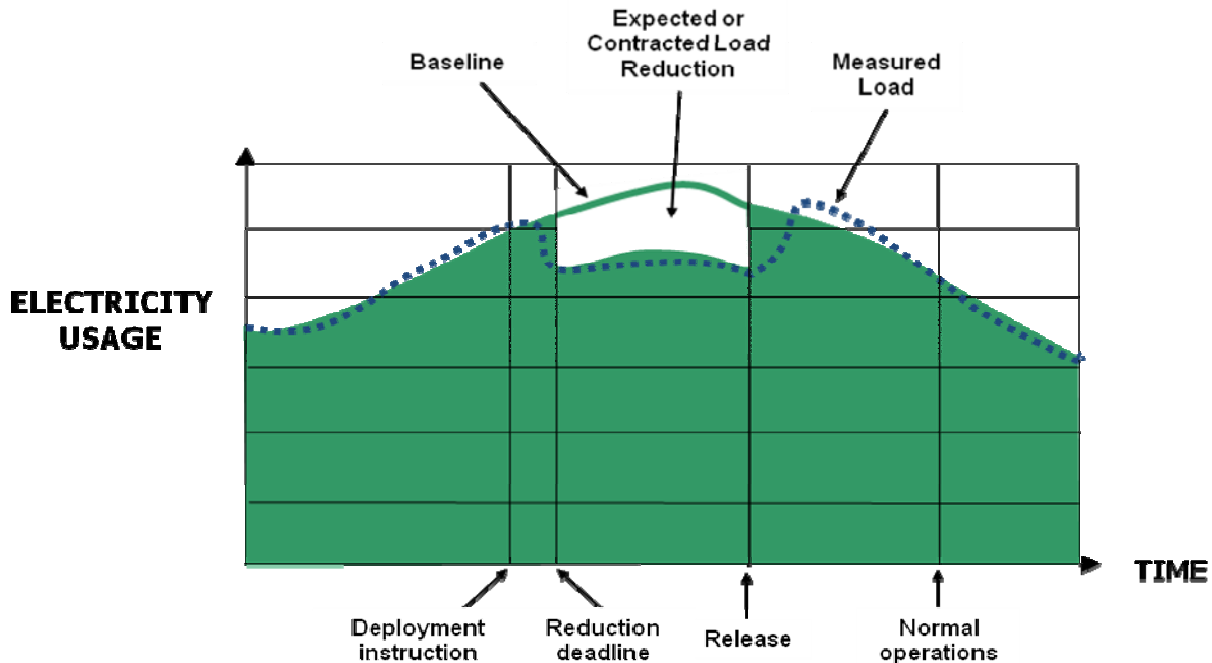
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A group of independent Load facilities that provide Demand Response services as a single Demand Resource.

**Baseline**

A Baseline is an estimate of the electricity that would have been consumed by a Demand Resource in the absence of a Demand Response Event. The Baseline is compared to the actual metered electricity consumption during the Demand Response Event to determine the Demand Reduction Value. Depending on the type of Demand Response product or service, Baseline calculations may be performed in real-time or after-the-fact. The System Operator may offer multiple Baseline models and may assign a Demand Resource to a model based on the characteristics of the Demand Resource's Load or allow the Demand Resource to choose a performance evaluation model consistent with its load characteristics from a predefined list. A baseline model is the simple or complex mathematical relationship found to exist between Baseline Window demand readings and Independent Variables. A baseline model is used to derive the Baseline Adjustments which are part of the Baseline, which in turn is used to compute the Demand Reduction Value. Independent variable is a parameter that is expected to change regularly and have a measurable impact on demand. Figure 2. below illustrates the concept of Baseline relative to a Demand Response Event.



**Figure 2. Illustration of Baseline Concept.**



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**Baseline Adjustment**

An adjustment that modifies the Baseline to reflect actual conditions immediately prior to or during a Demand Response Event to provide a better estimate of the energy the Demand Resource would have consumed but for the Demand Response Event. The adjustments may include but are not limited to weather conditions, near real time event facility Load, current Demand Resource operational information, or other parameters based on the System Operator's requirements.

**Baseline Type-I (Interval Metered)**

A Baseline performance evaluation methodology based on a Demand Resource's historical interval meter data which may also include other variables such as weather and calendar data.

**Baseline Type-II (Non-Interval Metered)**

A Baseline performance evaluation methodology that uses statistical sampling to estimate the electricity consumption of an Aggregated Demand Resource where interval metering is not available on the entire population.

**Baseline Window**

The window of time preceding and optionally following, a Demand Response Event over which the electricity consumption data is collected for the purpose of establishing a Baseline. The applicability of this term is limited to Meter Before/Meter After, and Baseline Type-I and Type-II.

**Capacity Service**

A type of Demand Response service in which Demand Resources are obligated over a defined period of time to be available to provide Demand Response upon deployment by the System Operator.

**Demand Response Provider**

The entity that is responsible for delivering Demand reductions from Demand Resources and is compensated for providing such Demand Response products in accordance as specified by the System Operator.

**Demand**

The rate at which electric energy is delivered to or by a system or part of a system, generally expressed in kilowatts or megawatts, at a given instant or averaged over any designated interval of time; and the rate at which energy is being used by the customer (NERC Definition).

**Demand Reduction Value**

Quantity of reduced electrical consumption by a Demand Resource, expressed as MW or MWh.

**Demand Resource**

A Load or aggregation of Loads capable of measurably and verifiably providing Demand Response.



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**Demand Response**

A temporary change in electricity consumption by a Demand Resource in response to market or reliability conditions. For purposes of these standards, Demand Response does not include energy efficiency or permanent Load reduction.

**Energy Service**

A type of Demand Response service in which Demand Resources are compensated solely based on their performance during a Demand Response Event.

**Highly-Variable Load**

A Load with a fluctuating or unpredictable electricity consumption pattern.

**Load**

An end-use device or customer that receives power from the electric system (NERC Definition).

**Maximum Base Load**

A performance evaluation methodology based solely on a Demand Resource's ability to reduce to a specified level of electricity Demand, regardless of its electricity consumption or Demand at Deployment.

**Meter Before / Meter After**

A performance evaluation methodology where electricity Demand over a prescribed period of time prior to Deployment is compared to similar readings during the Sustained Response Period.

**Meter Data Recording Interval**

The time between electricity meter consumption recordings.

**Meter Data Reporting Deadline**

The maximum allowed time from the end of a Demand Response Event (Normal Operations) to the time when meter data is required to be submitted for performance evaluation and settlement. The Meter Data Reporting Deadline may be either relative (a number of hours/days after Normal Operations) or fixed (a fixed calendar time, such as end-of-month).

**Metering Generator Output**

A performance evaluation methodology, used when a generation asset is located behind the Demand Resource's revenue meter, in which the Demand Reduction Value is based on the output of the generation asset.

**Performance Window**

The period of time in a Demand Response Event analyzed by the System Operator to measure and verify the Demand Reduction Value for a Demand Resource.



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**Ramp Rate**

The rate, expressed in megawatts per minute, that a generator changes its output. (NERC Definition) Demand Resource ramp rate is the rate, expressed in megawatts per minute, that a Demand Resource changes its Load.

**Regulation Service**

A type of Demand Response service in which a Demand Resource increases and decreases Load in response to real-time signals from the System Operator. Demand Resources providing Regulation Service are subject to dispatch continuously during a commitment period. Provision of Regulation Service does not correlate to Demand Response Event timelines, deadlines and durations as depicted in Figure 1.

**Reserve Service**

A type of Demand Response service in which Demand Resources are obligated to be available to provide Demand reduction upon deployment by the System Operator, based on reserve capacity requirements that are established to meet applicable reliability standards.

**System Operator**

A System Operator is a Balancing Authority, Transmission Operator, or Reliability Coordinator whose responsibility is to monitor and control an electric system in real time (based on NERC definition). The System Operator is responsible for initiating Advance Notifications, Deployment, and Release/Recall instructions.

**Telemetry**

Real-time continuous communication between a Demand Resource or Demand Response Provider and the System Operator.

**Telemetry Interval**

The time unit between communications between a Demand Resource or Demand Response Provider and a System Operator.

**Validation, Editing and Estimation**

The process of taking raw meter data and performing validation and, as necessary, editing and estimation of corrupt or missing data, to create validated data. (VEE guidelines are published in the Edison Electric Institute's Uniform Business Practices for Unbundled Electricity Metering, Volume Two, Published 12/05/00, [http://www.naesb.org/REQ/req\\_form.asp](http://www.naesb.org/REQ/req_form.asp))

**Business Practice Requirements:**

**Provision of Wholesale Electric Demand Response Energy Products**

**Applicability**

The Standard applies to any entity that administers wholesale Demand Response Energy Products.



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**Purpose**

The purpose of this Standard is to ensure that participants in wholesale electric markets in which these Products are administered receive uniform access to information that will enable them to participate in said markets.

**015-1.0 GENERAL**

- **Advance Notification**  
The System Operator shall specify any requirements for the Advance Notification instruction.
- **Deployment Time**  
The System Operator shall specify the time at which Demand Resources must begin reducing Demand on the system.
- **Reduction Deadline**  
The System Operator shall specify the Reduction Deadline.
- **Release/Recall**  
The System Operator shall specify the time at which Demand Resources shall be instructed to begin restoring Load.
- **Normal Operations**  
The System Operator shall specify Normal Operations.
- **Demand Resource Availability Measurement**  
Not applicable to Energy Service unless otherwise specified by the System Operator.
- **Aggregation**  
The System Operator shall specify any requirements for aggregated Demand.
- **Transparency of Requirements**  
Any specific requirements shall be defined in a System Operator's tariff, market rules, operating procedures, protocols or manuals and shall be posted in a publicly accessible location.

**015-1.1 TELEMETRY**

- **Telemetry Requirement**  
The System Operator shall specify any requirements for real-time Telemetry, including, but not limited to: the use of real-time Telemetry, the entity or entities responsible for installing and maintaining Telemetry equipment and collecting and communicating Telemetry data.
- **On-Site Generation Telemetry**  
If on-site generation is present behind the primary Telemetry point, real-time Telemetry data shall be required to measure performance of the generator unless otherwise specified by the System Operator.



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- **Telemetry Accuracy**  
The System Operator shall specify the accuracy of the real-time Demand measurement to be expressed as a percentage of full scale, not to exceed 3.0% .
- **Telemetry Interval**  
The System Operator shall specify the Telemetry Interval at a value not to exceed 5 minutes.
- **Other Telemetry Measurements**  
The System Operator shall specify any additional Telemetry data requirements.
- **Communication Protocol**  
The System Operator shall specify the Telemetry communication protocol.
- **Governor Control Equivalent**  
Not applicable to Energy Service unless otherwise specified by the System Operator.

**015-1.2 AFTER-THE-FACT METERING**

- **After-the-Fact Metering Requirement**  
After-the-Fact Metering is required unless otherwise specified by the System Operator.
- **Meter Accuracy**  
The System Operator shall specify the accuracy of the After-the-Fact Metering not to exceed 3% of full scale.
- **Details of Meter/Equipment Standards**  
Meter/Equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.
- **Meter Data Reporting Deadline**  
The System Operator shall specify the Meter Data Reporting Deadline.
- **Meter Data Reporting Interval**  
The System Operator shall specify the Meter Data Reporting Interval at a value not to exceed 1 hour.
- **Clock / Time Accuracy**  
The System Operator shall specify the clock and time accuracy. Clock and time meter/equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.
- **Validating, Editing & Estimating (VEE) Method**  
The System Operator shall specify VEE requirements.



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**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **On-Site Generation Meter Requirement**

The System Operator shall specify additional metering requirements if on-site generation is present behind the primary metering point.

### **015-1.3 PERFORMANCE EVALUATION**

- **Rules for Performance Evaluation**

Performance shall be evaluated through the use of one of the following methods unless otherwise specified by the System Operator:

- Maximum Base Load
- Meter Before / Meter After
- Baseline Type-I
- Baseline Type-II
- Metering Generator Output

### **Business Practice Requirements:**

#### **Provision of Wholesale Electric Demand Response Capacity Products**

##### **Applicability**

The Standard applies to any entity that administers the wholesale Demand Response Capacity Products.

##### **Purpose**

The purpose of this Standard is to ensure that participants in wholesale electric markets in which these Products are administered receive uniform access to information that will enable them to participate in said markets.

### **015-1.4 GENERAL**

- **Advance Notification**

The System Operator shall specify any requirements for the Advance Notification instruction.

- **Deployment Time**

The System Operator shall specify the time at which Demand Resources must begin reducing Demand on the system.

- **Reduction Deadline**

The System Operator shall specify the Reduction Deadline.

- **Release/Recall**

The System Operator shall specify the time at which Demand Resources shall be instructed to begin restoring Load.

- **Normal Operations**

The System Operator shall specify Normal Operations.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **Demand Resource Availability Measurement**

The System Operator shall specify any requirements for measuring the capability of a Demand Resource to meet its obligation.

- **Aggregation**

The System Operator shall specify any requirements for aggregated Demand Resources.

- **Transparency of Requirements**

Any specific requirements shall be defined in a System Operator's tariff, market rules, operating procedures, protocols or manuals and shall be posted in a publicly accessible location.

#### **015-1.5 TELEMETRY**

- **Telemetry Requirement**

The System Operator shall specify any requirements for real-time Telemetry, including, but not limited to: the use of real-time Telemetry, the entity or entities responsible for installing and maintaining Telemetry equipment and collecting and communicating Telemetry data.

- **On-Site Generation Telemetry**

If on-site generation is present behind the primary Telemetry point, real-time Telemetry data shall be required to measure performance of the generator unless otherwise specified by the System Operator.

- **Telemetry Accuracy**

The System Operator shall specify the accuracy of the real-time Demand measurement to be expressed as a percentage of full scale, not to exceed 3.0% .

- **Telemetry Interval**

The System Operator shall specify the Telemetry Interval at a value not to exceed 5 minutes.

- **Other Telemetry Measurements**

The System Operator shall specify any additional Telemetry data requirements.

- **Communication Protocol**

The System Operator shall specify the Telemetry communication protocol.

- **Governor Control Equivalent**

Not applicable to Capacity Service unless otherwise specified by the System Operator.

#### **015-1.6 AFTER-THE-FACT METERING**

- **After-the-Fact Metering Requirement**

After-the-fact Metering is required unless otherwise specified by the System Operator.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **Meter Accuracy**  
The System Operator shall specify the accuracy of the After-the-Fact Metering not to exceed 3% of full scale.
- **Details of Meter/Equipment Standards**  
Meter/Equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.
- **Meter Data Reporting Deadline**  
The System Operator shall specify the Meter Data Reporting Deadline.
- **Meter Data Reporting Interval**  
The System Operator shall specify the Meter Data Reporting Interval at a value not to exceed 1 hour.
- **Clock / Time Accuracy**  
The System Operator shall specify the clock and time accuracy. Clock and time meter/equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.
- **Validating, Editing & Estimating (VEE) Method**  
The System Operator shall specify VEE requirements.
- **On-Site Generation Meter Requirement**  
The System Operator shall specify additional metering requirements if on-site generation is present behind the primary metering point.

**015-1.7 PERFORMANCE EVALUATION**

- **Rules for Performance Evaluation**  
Performance shall be evaluated through the use of one of the following methods unless otherwise specified by the System Operator:
  - Maximum Base Load
  - Meter Before / Meter After
  - Baseline Type-I
  - Baseline Type-II
  - Metering Generator Output



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

**Business Practice Requirements:**

**Provision of Wholesale Electric Demand Response Reserve Products**

**Applicability**

The Standard applies to any entity that administers the wholesale Demand Response Reserve Products.

**Purpose**

The purpose of this Standard is to ensure that participants in wholesale electric markets in which these Products are administered receive uniform access to information that will enable them to participate in said markets.

**015-1.8 GENERAL**

- **Advance Notification**  
The System Operator shall specify any requirements for the Advance Notification instruction.
- **Deployment Time**  
The System Operator shall specify the time at which Demand Resources must begin reducing Demand on the system.
- **Reduction Deadline**  
The System Operator shall specify the Reduction Deadline.
- **Release/Recall**  
The System Operator shall specify the time at which Demand Resources shall be instructed to begin restoring Load.
- **Normal Operations**  
The System Operator shall specify Normal Operations.
- **Demand Resource Availability Measurement**  
The System Operator shall specify any requirements for measuring the capability of a Demand Resource to meet its obligation.
- **Aggregation**  
The System Operator shall specify any requirements for Aggregated Demand Resources.
- **Transparency of Requirements**  
Any specific requirements shall be defined in a System Operator's tariff, market rules, operating procedures, protocols or manuals and shall be posted in a publicly accessible location.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

**015-1.9 TELEMETRY**

- **Telemetry Requirement**
- The System Operator shall specify any requirements for real-time Telemetry, including, but not limited to: the use of real-time Telemetry, the entity or entities responsible for installing and maintaining Telemetry equipment and collecting and communicating Telemetry data
- **On-Site Generation Telemetry**  
If on-site generation is present behind the primary telemetry point, real-time Telemetry data shall be required to measure performance of the generator unless otherwise specified by the System Operator.
- **Telemetry Accuracy**  
The System Operator shall specify the accuracy of the real-time Demand measurement to be expressed as a percentage of full scale, not to exceed 3.0% .
- **Telemetry Interval**  
The System Operator shall specify the Telemetry Interval at a value not to exceed 5 minutes.
- **Other Telemetry Measurements**  
The System Operator shall specify any additional Telemetry data requirements.
- **Communication Protocol**  
The System Operator shall specify the Telemetry communication protocol.
- **Governor Control Equivalent**  
Not applicable to Reserve Service unless otherwise specified by the System Operator.

**015-1.10 AFTER-THE-FACT METERING**

- **After-the-Fact Metering Requirement**  
After-the-fact Metering is required unless otherwise specified by the System Operator.
- **Meter Accuracy**  
The System Operator shall specify the accuracy of the After-the-Fact Metering not to exceed 3% of full scale.
- **Details of Meter/Equipment Standards**  
Meter/Equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.
- **Meter Data Reporting Deadline**  
The System Operator shall specify the Meter Data Reporting Deadline.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **Meter Data Reporting Interval**

The System Operator shall specify the Meter Data Reporting Interval at a value not to exceed 1 hour.

- **Clock / Time Accuracy**

The System Operator shall specify the clock and time accuracy. Clock and time meter/equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.

- **Validating, Editing & Estimating (VEE) Method**

The System Operator shall specify VEE requirements.

- **On-Site Generation Meter Requirement**

The System Operator shall specify additional metering requirements if on-site generation is present behind the primary metering point.

**015-1.11 PERFORMANCE EVALUATION**

- **Rules for Performance Evaluation**

Performance shall be evaluated through the use of one of the following methods unless otherwise specified by the System Operator:

- Maximum Base Load
- Meter Before / Meter After
- Baseline Type-I
- Baseline Type-II
- Metering Generator Output

**Business Practice Requirements:**

**Provision of Wholesale Electric Demand Response Regulation Products**

**Applicability**

The Standard applies to any entity that administers the wholesale Demand Response Regulation Products.

**Purpose**

The purpose of this Standard is to ensure that participants in wholesale electric markets in which these Products are administered receive uniform access to information that will enable them to participate in said markets.

**015-1.12 GENERAL**

- **Advance Notification**

Not applicable to Regulation Service unless otherwise specified by the System Operator.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **Deployment Time**  
Not applicable to Regulation Service unless otherwise specified by the System Operator.
- **Reduction Deadline**  
Not applicable to Regulation Service unless otherwise specified by the System Operator.
- **Release/Recall**  
Not applicable to Regulation Service unless otherwise specified by the System Operator.
- **Normal Operations**  
Not applicable to Regulation Service unless otherwise specified by the System Operator.
- **Demand Resource Availability Measurement**  
Not applicable to Regulation Service unless otherwise specified by the System Operator.
- **Aggregation**  
The System Operator shall specify any requirements for aggregated Demand Resources.
- **Transparency of Requirements**  
Any specific requirements shall be defined in a System Operator's tariff, market rules, operating procedures, protocols or manuals and shall be posted in a publicly accessible location.

**015-1.13      TELEMETRY**

- **Telemetry Requirement**  
The System Operator shall specify any requirements for real-time Telemetry, including, but not limited to: the use of real-time Telemetry, the entity or entities responsible for installing and maintaining Telemetry equipment and collecting and communicating Telemetry data.
- **On-Site Generation Telemetry**  
If on-site generation is present behind the primary Telemetry point, real-time Telemetry data shall be required to measure performance of the generator unless otherwise specified by the System Operator.
- **Telemetry Accuracy**  
The System Operator shall specify the accuracy of the real-time Demand measurement to be expressed as a percentage of full scale, not to exceed 3.0% .
- **Telemetry Interval**  
The System Operator shall specify the Telemetry Interval at a value not to exceed 5 minutes.
- **Other Telemetry Measurements**  
The System Operator shall specify any additional Telemetry data requirements.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **Communication Protocol**

The System Operator shall specify the Telemetry communication protocol.

- **Governor Control Equivalent**

Demand Resources providing Regulation Service shall automatically respond to grid frequency deviations, similar to governor action provided by generation resources, unless otherwise specified by the System Operator.

**015-1.14 AFTER-THE-FACT METERING**

- **After-the-Fact Metering Requirement**

After-the-fact Metering is required unless otherwise specified by the System Operator.

- **Meter Accuracy**

The System Operator shall specify the accuracy of the After-the-Fact Metering not to exceed 3% of full scale.

- **Details of Meter/Equipment Standards**

Meter/Equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.

- **Meter Data Reporting Deadline**

The System Operator shall specify the Meter Data Reporting Deadline.

- **Meter Data Reporting Interval**

The System Operator shall specify the Meter Data Reporting Interval at a value not to exceed 1 hour.

- **Clock / Time Accuracy**

The System Operator shall specify the clock and time accuracy. Clock and time meter/equipment standards shall meet or exceed industry standards equivalent to ANSI C12 unless otherwise specified by the System Operator.

- **Validating, Editing & Estimating (VEE) Method**

The System Operator shall specify VEE requirements.

- **On-Site Generation Meter Requirement**

The System Operator shall specify additional metering requirements if on-site generation is present behind the primary metering point.

**015-1.15 PERFORMANCE EVALUATION**

- **Rules for Performance Evaluation**

Performance shall be evaluated using telemetry data and additionally through the use of one of the following methods unless otherwise specified by the System Operator:



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- Meter Before / Meter After
- Metering Generator Output



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

**Business Practice Requirements**

**Maximum Base Load Evaluation**

**015-1.16 BASELINE INFORMATION**

There are no Baseline calculations defined for Maximum Base Load evaluations. The Maximum Base Load Evaluation methodology shall be associated with a demand reduction obligation compared to the Demand Resource's average Load or as specified by the System Operator.

**015-1.17 EVENT INFORMATION**

- **Use of Real-Time Telemetry**

The System Operator shall specify if real-time Telemetry data is to be used to measure performance.

- **Use of After-The-Fact Metering**

After-the-fact metering shall be used to measure performance, unless otherwise specified by the System Operator.

- **Performance Window**

The Performance Window shall be the Sustained Response Period (Reduction Deadline through Release/Recall) unless otherwise specified by the System Operator.

- **Measurement Type**

During the Performance Window, the Demand Resource must maintain its electricity consumption at or below the Maximum Base Load. The criteria used to evaluate performance shall be one of the following unless otherwise specified by the System Operator:

- a) Peak Demand
- b) Average Demand

**015-1.18 SPECIAL PROCESSING**

The System Operator shall specify any special processing rules.

**Business Practice Requirements**

**Meter Before / Meter After**

**015-1.19 BASELINE INFORMATION**

- **Baseline Window**

The System Operator shall specify the Baseline Window.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **Calculation Type**

During the Baseline Window, the energy consumption or Demand of the Demand Resource shall be evaluated using one of the following measurements unless otherwise specified by the System Operator:

- a) Instantaneous
- b) Maximum
- c) Average

- **Sampling Precision and Accuracy**

Sampling is not permitted for this performance evaluation type, unless otherwise specified by the System Operator.

- **Exclusion Rules**

The System Operator shall specify any exclusion rules.

- **Baseline Adjustments**

The System Operator shall specify any event-day adjustments.

- **Adjustment Window**

No Adjustment Window is used for this model unless otherwise specified by the System Operator.

**015-1.20 EVENT INFORMATION**

- **Use of real-time Telemetry**

The System Operator shall specify if real-time Telemetry data is to be used to measure performance.

- **Use of After-The-Fact Metering**

After-the-fact metering shall be used to measure performance, unless otherwise specified by the System Operator.

- **Performance Window**

The Performance Window shall be the Sustained Response Period (Reduction Deadline through Release/Recall) unless otherwise specified by the System Operator.

- **Measurement Type**

During the Performance Window, the Demand Resource shall be evaluated using one of the following measurements unless otherwise specified by the System Operator:

- a) Instantaneous
- b) Maximum
- c) Average



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

**015-1.21 SPECIAL PROCESSING**

- **Highly-Variable Load Logic**

The System Operator shall specify any performance evaluation requirements for Highly-Variable Loads.

- **On-Site Generation Requirements**

The System Operator shall specify any performance evaluation requirements for on-site generation.

**Business Practice Requirements**

**Baseline Type-I (Interval Meter)**

**015-1.22 BASELINE INFORMATION**

- **Baseline Window**

The System Operator shall specify the Baseline Window.

- **Calculation Type**

The System Operator shall specify the method of developing the Baseline value using, but not limited to, the following calculation types:

- a) Maximum
- b) Average
- c) Regression

- **Sampling Precision and Accuracy**

Sampling is not permitted for this Performance Evaluation type, unless otherwise specified by the System Operator.

- **Exclusion Rules**

The System Operator shall specify any rules for excluding data from the Baseline Window. Exclusion rules may be based on, but are not limited to the following:

- a) Historical Demand Response Events
- b) Testing/Audit Periods
- c) Calendar data
- d) Outages
- e) Weather emergencies or force majeure events
- f) Usage threshold
- g) Known, discrete load additions or reductions that have occurred during the Baseline Window

- **Baseline Adjustments**

The System Operator shall specify any rules for Baseline Adjustments. Adjustment rules may be based on, but are not limited to the following:

- a) Temperature



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**Proposed Standards approved by the subcommittee on December 2, 2008**

- b) Humidity
- c) Calendar data
- d) Sunrise/Sunset time
- e) Event day operating conditions

- **Adjustment Window**

The System Operator shall specify the Adjustment Window.

**015-1.23 EVENT INFORMATION**

- **Use of Real-Time Telemetry**

The System Operator shall specify if real-time Telemetry data is to be used to measure performance.

- **Use of After-The-Fact Metering**

After-the-fact metering shall be used to measure performance, unless otherwise specified by the System Operator.

- **Performance Window**

The System Operator shall specify the Performance Window.

- **Measurement Type**

During the Performance Window, the Demand Resource shall be evaluated using one of the following measurements unless otherwise specified by the System Operator:

- a) Maximum
- b) Average
- c) Regression

**015-1.24 SPECIAL PROCESSING**

- **Highly-Variable Load Logic**

The System Operator may specify performance evaluation requirements for Highly-Variable Loads.

- **On-Site Generation Requirements**

The System Operator may specify performance evaluation requirements for on-site generation.

**Business Practice Requirements**

**Baseline Type-II (Non-Interval Meter)**

**015-1.25 BASELINE INFORMATION**

- **Baseline Window**

The System Operator shall specify the Baseline Window.



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE**

**For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

- **Calculation Type**

The System Operator shall specify the method of developing the Baseline value using, but not limited to, the following calculation types:

- a) Maximum
- b) Average
- c) Regression

- **Sampling Precision and Accuracy**

The System Operator shall specify sampling precision and accuracy requirements.

- **Exclusion Rules**

The System Operator shall specify any rules for excluding data from the Baseline Window.

Exclusion rules may be based on, but are not limited to the following:

- a) Historical Demand Response Events
- b) Testing/Audit Periods
- c) Calendar data
- d) Outages
- e) Weather emergencies or force majeure events
- f) Usage threshold
- g) Known, discrete load additions or reductions that have occurred during the Baseline Window

- **Baseline Adjustments**

The System Operator shall specify any rules for Baseline Adjustments. Adjustment rules may be based on, but are not limited to the following:

- a) Temperature
- b) Humidity
- c) Calendar data
- d) Sunrise/Sunset time
- e) Event day operating conditions

- **Adjustment Window**

The System Operator shall specify the Adjustment Window.

**015-1.26 EVENT INFORMATION**

- **Use of Real-Time Telemetry**

The System Operator shall specify if real-time Telemetry data is to be used to measure performance.

- **Use of After-The-Fact Metering**

After-the-fact metering or other energy measurement technology shall be used to measure performance, as a supplement to real-time Telemetry unless otherwise specified by the System Operator.

- **Performance Window**



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE  
For Quadrant: WEQ**

**December 2, 2008**

**Requesters: DSM-EE Subcommittee**

**Request No.: 2008 AP Item 5(a)**

**Review and develop business practice standards to support DR and DSM-EE programs**

**Proposed Standards approved by the subcommittee on December 2, 2008**

The System Operator shall specify the Performance Window.

- **Measurement Type**

During the Performance Window, the Demand Resource shall be evaluated using one of the following measurements unless otherwise specified by the System Operator:

- a) Maximum
- b) Average
- c) Regression

**015-1.27 SPECIAL PROCESSING**

The System Operator shall specify any special processing rules.

**Business Practice Requirements**

**Metering Generator Output**

**015-1.28 BASELINE INFORMATION**

The System Operator shall specify Baseline calculations for Metering Generator Output.

**015-1.29 EVENT INFORMATION**

- **Use of Real-Time Telemetry**

The System Operator shall specify if real-time Telemetry data is to be used to measure performance.

- **Use of After-The-Fact Metering**

After-the-fact metering on the generator and optionally on the associated Load shall be used to measure performance unless otherwise specified by the System Operator.

- **Performance Window**

The System Operator shall specify the Performance Window.

- **Measurement Type**

During the Performance Window, the Demand Resource shall be evaluated using the total measured generation output unless otherwise specified by the System Operator.

**015-1.30 SPECIAL PROCESSING**

The System Operator shall specify any special processing rules.

# NAESB Conference Call

October 10, 2008

DSM EE RETAIL GROUP

## Agenda

- Review RTO Standard
  - Does framework approach work for retail?
- How should we proceed
  - Continue work on developing the retail standard as planned
  - Review the RTO standard and modify it for use as retail standard
  - Have only one standard that covers retail and wholesale standards
- Decide on an approach
- Expected deliverable for the proposed face to face meeting

# Summary of RTO Standard

- Introduction
  - M&V standards
  - Applicability of Measurement and Verification Standards
  - Overview of Standards
    - Performance Evaluation Methodology
- Definition of Terms
  - Demand Response Event
  - General Terms
- Business Practice Requirements
  - Energy Products
  - Capacity Products
  - Reserve Products
  - Regulation Products

# M&V Framework

## General

- Advance Notification
- Deployment Time
- Reduction Deadline
- Release/Recall
- Normal Operations
- Demand Resource Availability Measurement
- Aggregation
- Transparency of Requirements

## Telemetry

- Telemetry Requirement
- On-Site Generation Telemetry
- Telemetry Accuracy
- Telemetry Reporting Interval
- Other Telemetry Measurements
- Communication Protocol
- Governor Control Equivalent

## After-The –Fact Metering

- After-the-Fact Metering Requirement
- Meter Accuracy
- Details of Meter/Equipment Standards
- Meter Data Reporting Deadline
- Meter Data Reporting Interval
- Clock / Time Accuracy
- Validating, Editing & Estimating (VEE) Method
- On-Site Generation Meter Requirement

## Performance Evaluation

- Rules for Performance Evaluation

## **Performance Evaluation Methods**

- Maximum Base Load
- Meter Before/Meter After
- Baseline Type-I (interval Meter)
- Baseline Type II (Non-Interval Meter)
- Metering Generator Output

## Current Plan - Next Steps (Immediate)

- Face to Face meeting with small working group
  - Refine and finalize steps in flow diagram
  - Fill in model business practice guidelines for each step of the AC program
  - Use the AC model business practice as template to develop business practices for all DR program categories and programs
  - Discuss mass market versus individual customer M&V
  - Discuss baseline approaches

# Categories and Types of Other Retail DR Programs

Category	Sub Category	Sub Category	Program
Dispatchable	Capacity	Direct Load Control	AC load control
		Firm Service Level	
		Guaranteed Load Drop	
		Critical Peak Pricing	
		Ancillary Services	
NonDispatchable	Time Sensitive Pricing	Spinning Reserve	
		Non-Spinning Reserve	
		Regulation	
		Time of Use	
		Critical Peak Pricing	
		Real Time Pricing	

# Remaining Steps

- Review and modify the standard template to incorporate other types of programs
- Revise the data collection matrix with lessons learned from efforts to date
- Conduct survey of representative utilities
  - Cover NERC and ISO/RTO footprints
  - Identify all types of DR programs
  - Collect data on each type of program
  - Identify any regional aspects that need to be preserved
- Develop model business practice for each type of DR program similar to the ISO/RTO effort
- Report findings to NAESB



## North American Energy Standards Board

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### NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WGQ Annual Plan Adopted by the NAESB Board of Directors on October 20, 2008 with Changes Proposed by the WGQ  
 EC on November 6, 2008

	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>Damage Reporting for Natural Gas Pipeline Facilities</b>			
1	Review and develop standards as appropriate to support posting of information as noted in Docket No. RM06-18-000, <a href="#">Order No. 682</a> and Docket No. RM06-18-001, <a href="#">Order No. 682-A</a> . Review transmission line damage reporting to identify commonality and apply as appropriate.  Status: Underway	4 <sup>th</sup> Q 2008	BPS
<b>Electronic Delivery Mechanisms and Related Activities</b>			
2	Develop or amend WGQ technical standards, as appropriate, to address to the DoE Sandia National Laboratories 2006 surety assessment findings and recommendations.  Status: Completed	1st Q, 2008	BPS/EDM
<b>Contracts Activities</b>			
3	Update ISDA Gas Annex to correspond to the updated NAESB Base Contract for Sale and Purchase of Sale of Natural Gas, dated September 5, 2006.  Status: Underway.	4th Q, 2008	Contracts
a.	Revise the Trading Partner Agreement TPA by removing the Exhibits from the agreement and relegate such information as contained in the Exhibits to operational worksheet(s), ( <a href="#">R08015</a> ).  Status: Not Started	1 <sup>st</sup> Q, 2009	Joint Retail/WGQ Contracts
<b>Gas-Electric Interdependency</b>			
4	Respond to directives of <a href="#">FERC Order No. 698 issued 6-25-07</a> , Docket Nos. <a href="#">RM05-5-001</a> and <a href="#">RM96-1-027</a> as related to the NAESB reports submitted in Docket No. <a href="#">RM05-28-000</a> :		
a.	¶ 56 of Order No. 698: "... Under the Commission regulations, the releasing shipper is responsible for clearly setting out the terms and conditions of the release and that would include the means for implementing the formula rate. <u>This is also an issue on which NAESB can develop standards to ensure that such releases can be processed quickly and efficiently.</u> " (emphasis added)		
i.)	Develop business practice standards to address the threshold questions of ¶ 56 of Order No. 698:  Status: Completed	2 <sup>nd</sup> Q, 2008	BPS
ii.)	Prepare fully staffed recommendation  Status: In Progress.	4th Q, 2008	BPS, IR/Tech
b.	¶ 63 of Order No. 698: "The Commission is not modifying its requirement for within-the-path scheduling as adopted in Order No. 637. The example posited by NAESB appears consistent with the within-the-path scheduling concept and with pipeline proposals that have been accepted. It would not be appropriate for the Commission here to try to provide generic clarification to cover all possible proposals by pipelines for according flexibility to shippers. These proposals will have to be judged on an individual basis. In addition, <u>NAESB can consider through its consensus process possible standards for according increased receipt and delivery point flexibility.</u> "(emphasis added)		



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### NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WGQ Annual Plan Adopted by the NAESB Board of Directors on October 20, 2008 with Changes Proposed by the WGQ  
 EC on November 6, 2008

	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
	i.) Develop business practice standards to address the threshold questions of ¶ 63 of Order No. 698: Status: Completed	2 <sup>nd</sup> Q, 2008	BPS
	ii.) Prepare fully staffed recommendation Status: Completed	2 <sup>nd</sup> Q, 2008	BPS, IR/Tech
c.	¶ 69 of Order No. 698: “As we stated in the NOPR, the Commission has recognized the interest of interruptible shippers in achieving business certainty by making the last intra-day nomination opportunity one in which firm nominations do not bump interruptible nominations. <u>However, within the confines of current Commission policy, NAESB should actively consider whether changes to existing intra-day schedules would benefit all shippers, and provide better provide for coordination between gas and electric scheduling.</u> In addition, the NAESB nomination timeline establishes only the minimum requirement to which pipelines must adhere...”(emphasis added)		
	i.) Develop business practice standards to address the threshold questions of ¶ 69 of Order No. 698: Status: Completed	2 <sup>nd</sup> Q, 2008	BPS
	ii.) Prepare fully staffed recommendation Status: Completed	2 <sup>nd</sup> Q, 2008	BPS
<b>Capacity Release</b>			
5	Review capacity release transactions upload and related responses to determine suitability for EDI.		
	a. Develop business practice standards Status: Not Started	1 <sup>st</sup> Q, 2009	BPS
	b. Prepare fully staffed recommendation Status: Not Started	TBD	BPS, IR/Tech
<b>Review and develop business practices standards to support e-Tariff program</b>			
6	Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. ( <a href="#">Docket No RM05-1-000</a> ) Status: Completed	1st Q, 2008	Joint WEQ/WGQ e-Tariff
<b>Customer Security Administration</b>			
7	Review and develop standards as appropriate to support Customer Security Administration Standards ( <a href="#">Comment Submittal, 10-29-07</a> ) Status: Not started	2009	BPS



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### NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WGQ Annual Plan Adopted by the NAESB Board of Directors on October 20, 2008 with Changes Proposed by the WGQ  
 EC on November 6, 2008

	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>Gas Quality Reporting</b>			
8	Respond to directives of FERC Docket No. RP07-504-000:  ¶ 10 "... develop a uniform set of standards regarding the posting of rapidly changing gas quality information applicable to those pipelines which are required by their tariffs to do so." ( <a href="#">Docket No. RP07-504-000</a> )  Status: Underway	4 <sup>th</sup> Q, 2008	BPS
<b>Promotion of a More Efficient Capacity Release Market</b>			
9	Review FERC Order No. 712 and modify NAESB standards ( <a href="#">Docket No. RM08-1-000</a> )  Status: Underway.	1 <sup>st</sup> Q, 2009	BPS
<b>Standards of Conduct</b>			
10	Review and develop standards, as appropriate, to support posting of standards of conduct information pursuant to <a href="#">Docket No. RM07-1-000, Order No. 717</a>  Status: Underway	4 <sup>th</sup> Q, 2008	BPS
<b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>			
	Business Practice Requests	Ongoing	Assigned by the EC <sup>3</sup>
	Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA.	Ongoing	ANSI X12 Subcommittee
	Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC <sup>4</sup>
	Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC <sup>4</sup>
	Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC <sup>4</sup>
<b>Provisional Activities</b>			
	Respond to requests as received that are related to Docket No. <a href="#">AD06-11-000</a> (Market Transparency Reporting).		

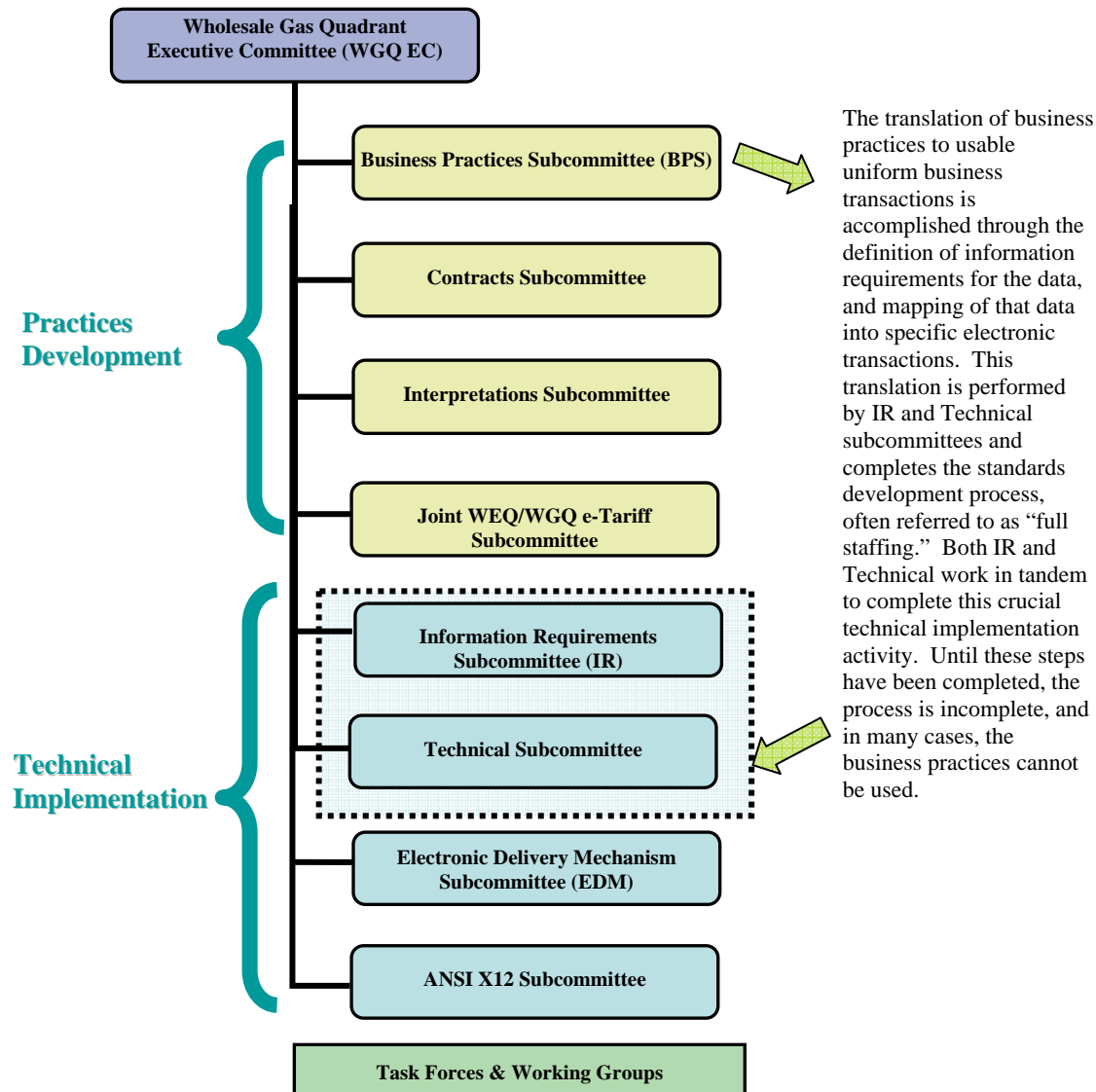
Notes: (a) Priority is given to action items that are carry-overs from the 2007 Annual Plan.

(b) Any new activity should be preceded by a request from the submitter after which the annual plan will be revisited. The provisional items would only be addressed after a request is submitted or an order is issued by the FERC.



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### NAESB 2008 WGQ EC and Subcommittee Leadership:

Executive Committee: Jim Buccigross, Chair and Mike Novak, Vice-Chair  
 Business Practices Subcommittee: Kim Van Pelt, Valerie Crockett, Steve Abbey and Richard Smith  
 Information Requirements Subcommittee: Dale Davis  
 Technical Subcommittee: Mike Stender  
 Contracts Subcommittee: Keith Sappenfield  
 Electronic Delivery Mechanism Subcommittee: Leigh Spangler, Christopher Burden  
 Interpretations Subcommittee: Paul Love  
 Joint WEQ/WGQ e-Tariff Subcommittee: Keith Sappenfield, Jane Daly



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### End Notes WGQ 2008 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. 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 committee structure can be found at the end of the annual plan document.

<sup>3</sup> The EC assigns maintenance of existing standards on a request-by-request basis.



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**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2008 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS**  
**Adopted by the NAESB Board of Directors on October 20, 2008 Redline Revisions submitted by the Retail EC on 110508**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3</sup>
1 Electronic Retail Billing. Develop Technical Electronic Implementation Standards – Electronic Retail Billing Status: Underway	1st Q, 2009	TEIS
2 Customer Enrollment, Drop and Account Information Change including Using a Registration Agent		
a. Develop information requirements for submitting and receiving, processing and fulfilling a customer's request to enroll with or leave a supplier (including suppliers dropping customers) and for maintaining current customer account information, and for notifying affected parties. Status: Completed	3 <sup>rd</sup> Q, 2008	IR
b. Develop Technical Electronic Implementation Standards – Customer Enrollment, Drop and Account Information Change, Status: Completed	3 <sup>rd</sup> Q, 2008	TEIS
3 Customer Enrollment, Drop and Account Information Change Using a Registration Agent Develop practices when using a Registration Agent for submitting and receiving, processing and fulfilling a Customer's request to enroll with or leave a Supplier (including Suppliers dropping Customers) and for maintaining current Customer account information, and for notifying affected parties.		
i) Customer Enrollment Status: Completed	4 <sup>th</sup> Q 2007	Texas Task Force/ BPS
ii) Customer Drop Status: Completed	1 <sup>st</sup> Q 2008	Texas Task Force/ BPS
iii) Account Information Change Status: Completed	1st Q 2008	Texas Task Force/ BPS
iv) ESI ID Setup Status: Completed	4 <sup>th</sup> Q 2008	Texas Task Force/ BPS
v) ESI ID Change Status: Completed	4 <sup>th</sup> Q 2008	Texas Task Force/ BPS
4 Review and Discuss application of any other existing model business practices for the Registration Agent model Status: Completed	3 <sup>rd</sup> Q 2008	BPS
5 Customer Inquiries		
a. Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. Status: Underway	1st Q 2009	Texas Task Force/BPS



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### NORTH AMERICAN ENERGY STANDARDS BOARD

#### 2008 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS

Adopted by the NAESB Board of Directors on October 20, 2008 Redline Revisions submitted by the Retail EC on 110508

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3</sup>
6 Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program.  Status: Not Started. Dependent upon publication of Version 1.1 at a minimum, but more dependent upon completion of Customer Choice efforts.	2009	TEIS
7 Address issues raised in the Department of Energy's Sandia National Laboratories on NAESB technical standards and respond to the surety assessment findings and recommendations.  Status: Completed	1 <sup>st</sup> Q 2008	TEIS
8 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.  Status: Underway	2008	Joint WEQ/Retail DSM Subcommittee
a. Develop matrix and business practice standards for measurement and verification for demand response programs in ISO/RTO footprint areas.  Status: Underway	4 <sup>th</sup> Q, 2008	Joint WEQ/Retail DSM Subcommittee
b. Develop matrix and business practice standards for measurement and verification for demand response programs in non-ISO/RTO footprint areas.  Status: Underway	TBD	Joint WEQ/Retail DSM Subcommittee
c. Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs.  Status: Underway	1st Q, 2009	Joint WEQ/Retail DSM Subcommittee
d. Develop glossary for business practice standards  Status: Underway	1st Q, 2009	Joint WEQ/Retail DSM Subcommittee
e. Support retail development of matrix and model business practice standards for measurement and verification for demand response programs  Status: Underway	1st Q, 2009	Joint WEQ/Retail DSM Subcommittee
f. Develop 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: Not Started	Phase 2	Joint WEQ/Retail DSM Subcommittee
g. Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations.  Status: Not Started.	Phase 2	Joint WEQ/Retail DSM Subcommittee
h. Develop business practice standards to support cap and trade programs for green house gas.	Phase 2	Joint WEQ/Retail DSM



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### NORTH AMERICAN ENERGY STANDARDS BOARD

#### 2008 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS

Adopted by the NAESB Board of Directors on October 20, 2008 Redline Revisions submitted by the Retail EC on 110508

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3</sup>
Status: Not Started.		Subcommittee
9. Revise the Trading Partner Agreement TPA by removing the Exhibits from the agreement and relegate such information as contained in the Exhibits to operational worksheet(s), ( <a href="#">R08015</a> ).	1 <sup>st</sup> Q, 2009	Joint Retail/WGQ Contracts
Status: Not Started		

#### Program of Standards Maintenance & Fully Staffed Standards Work<sup>4</sup>

Business Practice Requests	Ongoing	Assigned by the EC
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

#### Provisional Activities

##### Joint Effort:

Supplier Certification: Develop practices for Distribution Companies to register/certify new Suppliers when they seek to begin doing business in the Distribution Company's service area.

Modify TPA as necessary.

Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).

Review existing body of model business practices for consistency and develop or modify model business practices as needed.

##### Retail Electric Quadrant Effort Only:

Retail Meter Data Validation, Editing & Estimating: Develop procedures for insuring the integrity and validity of retail customer metering data that is needed by utilities and suppliers for billing, etc. Issues related to unbundled or competitive metering are not to be considered.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ for the REQ.

##### Retail Gas Quadrant Effort Only:

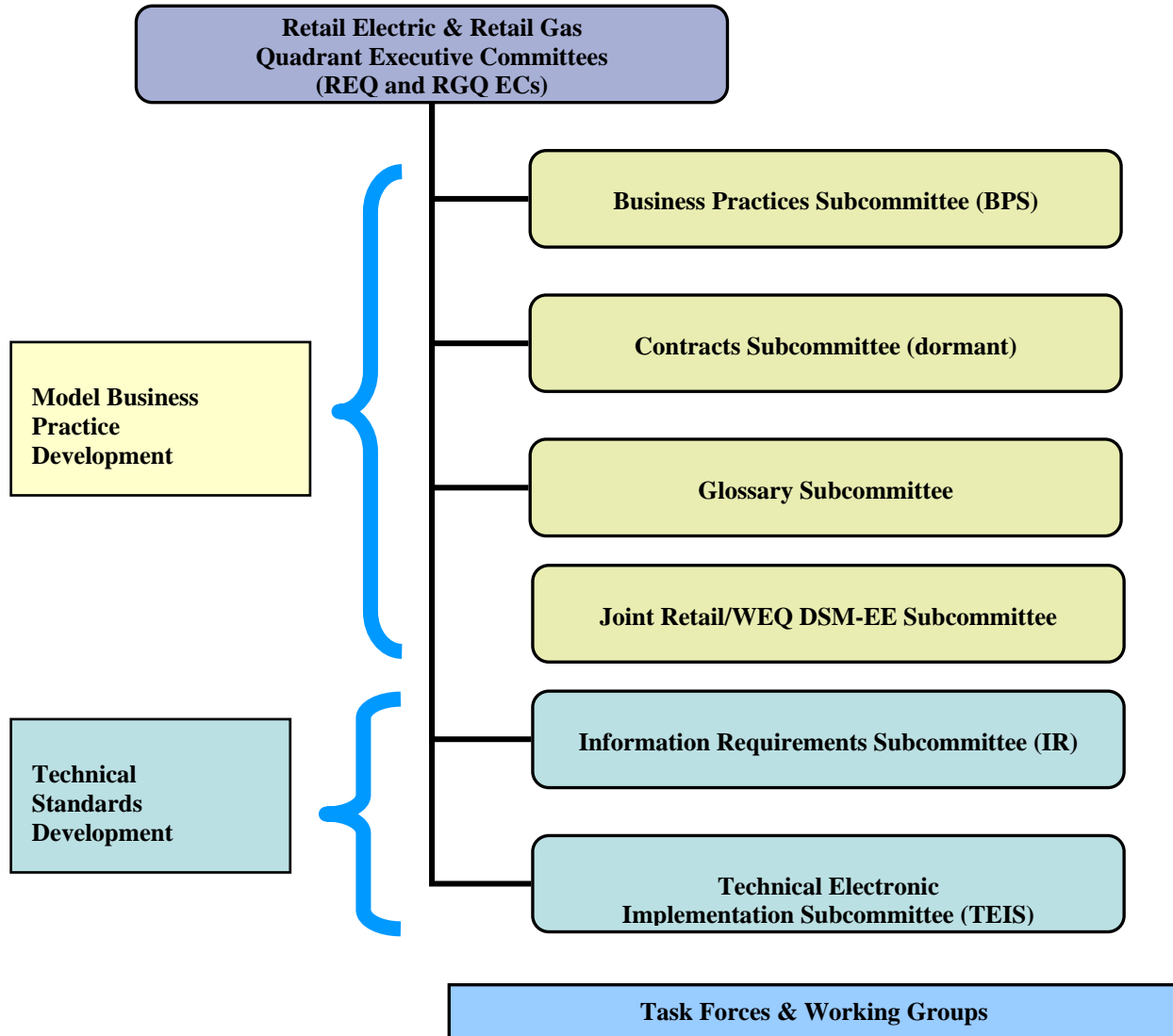
Examine Wholesale Gas Quadrant Non-EDM Standards for applicability to retail business practices.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market.



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**NAESB Retail Subcommittee Leadership:** <sup>5</sup>

- Executive Committee: Mike Novak, Chair (RGQ), Ruth Kiselewich, Chair (REQ)
- Business Practices Subcommittee: Phil Precht (RGQ), Mary Edwards and Dan Jones (REQ)
- Information Requirements Subcommittee: Jennifer Teel (REQ)
- Technical Electronic Implementation Subcommittee: Dan Rothfuss (RGQ)
- Glossary Subcommittee: Don Sytsma (RGQ), Mary Edwards and Patrick Eynon (REQ)
- DSM-EE Subcommittee: Ruth Kiselewich, David Koogler (REQ), Roy True (WEQ), Paul Wattles (WEQ)



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### End Notes Retail Plan:

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<sup>1</sup> As outlined in the NAESB Bylaws, the REQ and RGQ will also address requests submitted by members and assigned to the REQ and RGQ through the Triage Process.

<sup>2</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. 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>3</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>4</sup> This work is considered routine maintenance and thus the items are not separately numbered. The REQ and RGQ ECs will assign maintenance efforts on a request-by-request basis.

<sup>5</sup> The ECs and the subcommittees can create task forces and working groups to support their development activities for development of model business practices and technical standards.



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## NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Approved by the Board of Directors on October 20, 2008

Reviewed by Subcommittee, Working Group, and Task Force Co-Chairs as of November 14, 2008

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) Make version 2 changes to business practices as requested.		
i) Make changes to business practices as related to inclusion of the NERC Reliability Functional Model functional model entities as NERC undertakes the same efforts. Status: No requests	As requested	BPS
ii) Continuous support of TLR Procedure in alignment with NERC efforts on TLR Phase II and Phase III which would be included in version 2 development. <sup>3</sup> Status: Complete The “Continuous Support of TLR Procedure in Alignment with NERC Efforts on Phase II and Phase III” recommendation was approved by the BPS to post for the formal comment period. For 2009 specific items for TLR coordination with NERC will be added as needed.	Complete	BPS <sup>4</sup>
b) Develop business practices to support Coordinate Interchange – <a href="#">R05020</a> “Include a guideline for rounding schedules with partial mWh's in the coordinate interchange business practice WEQ BPS-002-000” Status: Underway		
c) Operate Within Limits (R03017) as coordinated with the NERC schedule on the same development for reliability standards		
i) Review the need to develop business practice standards to support Operate Within Limits (R03017) Status: Completed	1 <sup>st</sup> Q, 2008	SRS
ii) Develop business practice standards to support Operate Within Limits (R03017) Status: Completed No standards are needed at this time	2nd Q, 2008	BPS
d) Prepare recommendations for future path for TLR in concert with NERC, which may include alternative congestion management procedures <sup>5</sup> Status: Underway		



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## NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Approved by the Board of Directors on October 20, 2008

Reviewed by Subcommittee, Working Group, and Task Force Co-Chairs as of November 14, 2008

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
e) Conduct analysis as to whether standards can be developed which outline a standardized process for the coordination and execution of emergency energy schedules. These would be complementary standards to EOP-002-2 Requirements R4 and R6 ( <a href="#">SRS Analysis of EOP-002-2 R4 &amp; R6</a> )	1 <sup>st</sup> Q, 2009	JISWG
Status: Not Started		
f) Review Market System Back-Up existing language and review of existing back-up language	4 <sup>th</sup> Q, 2008	SRS
Status: Completed		
Per the guidance from the WEQ Executive Committee after presenting the <a href="#">Request for Executive Committee Guidance on WEQ 2008 Provisional Item 5</a> the SRS developed and approved a “no action” recommendation to close out this annual plan item		
g) Provide complementary business practice standards to support Coordinate Operations Standards Authorization Request assigned to NERC ( <a href="#">R03014</a> )	3 <sup>rd</sup> Q, 2008	SRS
Status: Completed		
Based on the SRS review of related documents and EC updates to the WEQ Annual Plan in May 2004 where R03014 was noted as completed the SRS approved a “no action” recommendation to close out this standards request.		
<b>2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)</b>		
a) Develop version 2 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.		
Status: Underway		
Development is using joint standards development process with NERC. Request R050004 was expanded to include the Order No. 890 ( <a href="#">Docket Nos. RM05-25-000 and RM05-17-000</a> ) and Order No. 890-A ( <a href="#">Docket Nos. RM05-17-001, 002 and RM05-25-001, 002</a> ), “Preventing Undue Discrimination and Preference in Transmission Services”, issued April 11, 2007).		
i) Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority		
1. Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority S&CP Requirements	4 <sup>th</sup> Q, 2007	ESS/ITS
Status: Completed		
Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.		



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### NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Approved by the Board of Directors on October 20, 2008

Reviewed by Subcommittee, Working Group, and Task Force Co-Chairs as of November 14, 2008

	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
2.	<p>Conditional Firm Business Practice Standards associated with S&amp;CP Requirements completed in 2(a)(i)(1)</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	3 <sup>rd</sup> Q, 2008	ESS/ITS
3.	<p>Annotations For ATC Business Practice Standards associated with S&amp;CP Requirements completed in 2(a)(i)(1)</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 <sup>st</sup> Q, 2008	BPS, ESS/ITS
4.	<p>Load Forecast And Actual Load Business Practice Standards associated with S&amp;CP Requirements completed in 2(a)(i)(1)</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 <sup>st</sup> Q, 2008	BPS, ESS/ITS
5.	<p>Re-Bid Of Partial Service Business Practice Standards on a Single Transmission Provider's System associated with S&amp;CP Requirements completed in 2(a)(i)(1)</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 <sup>st</sup> Q, 2008	ESS/ITS
6.	<p>Preconfirmation Priority Business Practice Standards associated with S&amp;CP Requirements completed in 2(a)(i)(1)</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 <sup>st</sup> Q, 2008	ESS/ITS
7.	<p>OASIS Exemptions Appendix</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	4 <sup>th</sup> Q, 2007	ESS/ITS



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### NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Approved by the Board of Directors on October 20, 2008

Reviewed by Subcommittee, Working Group, and Task Force Co-Chairs as of November 14, 2008

	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
ii)	Group 2: Metrics; Redispatch Cost Posting		
	1. Metrics Related to Provision of Transmission Service (Paragraph 413 of Order 890) Status: Completed Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	1 <sup>st</sup> Q, 2008	ESS/ITS
	2. Metrics Related to Performance of Transmission Studies (Paragraphs 1308 through 1317 of Order 890) Status: Completed Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	1 <sup>st</sup> Q, 2008	ESS/ITS
	3. Redispatch Cost Posting <ul style="list-style-type: none"> <li>• Monthly average cost of redispatch</li> <li>• A high and low redispatch for the month</li> </ul> Status: Completed Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	1 <sup>st</sup> Q, 2008	ESS/ITS
iii)	Group 3: Network Service On OASIS		
	1. Use of OASIS to Make Electronic Requests to Designate and Terminate Network Resource Status: Underway	1 <sup>st</sup> Q, 2009	ESS/ITS
	2. Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests Status: Underway	1 <sup>st</sup> Q, 2009	ESS/ITS
	3. Masking of Designated Network Resource Operating Restrictions and Generating Cost Information Status: Underway	1 <sup>st</sup> Q, 2009	ESS/ITS
	4. Procedural Requirements for Submitting Designations over new OASIS Functionality Status: Underway	1 <sup>st</sup> Q, 2009	ESS/ITS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
	5. Specify How Designated Network Service Informational Postings are Posted on OASIS Status: Underway	1 <sup>St</sup> Q, 2009	ESS/ITS
	6. Set Forth the Treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation Status: Underway	1 <sup>St</sup> Q, 2009	ESS/ITS
	7. Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources Status: Underway	1 <sup>St</sup> Q, 2009	ESS/ITS
	8. Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations Status: Underway	1 <sup>St</sup> Q, 2009	ESS/ITS
iv)	Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7		
	1. Pre-Emption Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS
	2. Request No. R05019 Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS
	3. Revisions to Standard 9.7 Status: Underway This item also addresses work in 2006 WEQ AP 3a(x).	2009	EC Task Force
	4. Posting of Existing Transmission Commitments (ETC) (moved from Group 1) Status: Completed Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	2 <sup>nd</sup> Q, 2008	BPS, ESS/ITS
v)	Group 5: Paragraph 1377		
	1. Paragraph 1377 Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS
	2. Re-Bid Of Partial Service across Multiple Transmission Providers' Systems Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
vi)	Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890)		
	1. Paragraph 1390 of Order 890 Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS
	2. Paragraphs 1627 of Order 890 Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS
	3. Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services. Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS
	4. Posting of <b>Existing Transmission Commitments (ETC)</b> (moved from Group 1) Status: Completed  Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	2 <sup>nd</sup> Q, 2008	ESS/ITS
vii)	Group 7: Tagging for Conditional Firm Service		
	1. Tagging for Conditional Firm Service Status: Completed  Published Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	2 <sup>nd</sup> Q, 2008	ESS/ITS
b)	Develop the needed business practices as companion to the NERC standards for ATC related efforts. <sup>7</sup>		
i)	Develop standards to support existing Request No. <a href="#">R05004</a> .		
	1. 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 Status: Underway	1 <sup>st</sup> Q, 2009	ESS/ITS
	2. Remaining requirements documented in R05004 and R05004A. Status: Completed	3 <sup>rd</sup> Q, 2008	BPS, ESS/ITS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
ii)	<b>Develop Business Practice Standards for Existing Transmission Commitments (ETC)</b>		
	<p>1. Develop the Business Practice Standards complementary to NERC Reliability Standards for <b>Existing Transmission Commitments (ETC)</b> to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	2 <sup>nd</sup> Q, 2008	BPS, ESS/ITS
	<p>2. Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	June 1, 2008	BPS ESS/ITS
iii)	<b>Capacity Benefit Margin (CBM) Business Practices</b>		
	<p>1. Determine if business practice standards are needed, and if so, develop them to set forth “how the CBM value shall be determined, allocated across transmission paths, and used” and how transmission providers will “reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service.”</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>The NAESB subcommittees have determined the CBM requirements have been documented in the NERC MOD-004 to address this item, so no further action is required by NAESB. Please note that when the related NERC reliability standards are adopted, the subcommittee leadership will review to determine if additional action by NAESB is needed.</p>	3 <sup>rd</sup> Q 2008	BPS, ESS/ITS



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<p>2. Business practice standards that include an OASIS mechanism to “allow for auditing of CBM usage.”</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p>	3 <sup>rd</sup> Q 2008	BPS, ESS/ITS
<p>3. Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p>	3 <sup>rd</sup> Q 2008	BPS, ESS/ITS
iv) <b>Transmission Reliability Margin Business Practices:</b>		
<p>1. Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>The NAESB subcommittees have determined TRM requirements have been documented in previously submitted recommendations, so no further action is required by NAESB.</p>	April 8, 2008	BPS, ESS/ITS
<p>2. The business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development</p> <p>Status: Completed</p> <p>The NAESB subcommittees have determined TRM requirements have been documented in previously submitted recommendations, so no further action is required by NAESB.</p>	April 8, 2008	BPS, ESS/ITS



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<p>3. Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>The NAESB subcommittees have determined TRM requirements have been documented in previously submitted recommendations, so no further action is required by NAESB.</p>	April 8, 2008	BPS, ESS/ITS
<p>v) Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability)):</p>		
<p>1. Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>The subcommittee determined no additional standards are required from what is already documented in the "<a href="#">ATC Information Link (2008 Annual Plan 2.b.vii)</a>" recommendation and what is required for ATC postings under the previously ratified recommendation "<a href="#">Modifications to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890 with Minor Corrections applied on February 27, 2008.</a>"</p>	April 23, 2008	BPS/ESS/ITS
<p>2. Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange.</p> <p>The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>The NAESB subcommittees have determined the data exchange requirements have already been documented in the NERC standards, so no further action is required by NAESB.</p>	1 <sup>st</sup> Q, 2008	BPS/ESS/ITS



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<p>3. Business practice standards that will set forth how transmission providers will post “explanations of the reason for a change in monthly and yearly ATC values on a constrained path.” The standards will include a requirement that the transmission provider posts the reason for the change in a narrative form. The posted information will include “the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).”</p> <p>The business practices developed to address this item will <u>not</u> require to coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 Q, 2008	BPS/ESS/ITS
<p>4. Business practice standards for posting on OASIS of the “underlying load forecast assumptions for all ATC calculations”.</p> <p>The business practices developed to address this item will <u>not</u> require to coordination with the NERC Order 890 reliability standards development</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 <sup>st</sup> Q, 2008	BPS/ESS/ITS
<p>5. Business practice standards for posting on OASIS of the “actual daily peak load for the prior day.”</p> <p>The business practices developed to address this item will <u>not</u> require to coordination with the NERC Order 890 reliability standards development</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 <sup>st</sup> Q, 2008	BPS/ESS/ITS
<p>vi) Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13</p> <p>This item was added as a result of the Supplemental SAR NERC created in case additional business practices are needed as a result of the work on this SAR by NERC. It does not have a cite in Order 890. This item will require coordination with the NERC Order 890 reliability standards development.</p> <p>Status: Completed</p>	May 1, 2008	BPS, ESS/ITS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
vii)	<p>Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.)</p> <p>This item will require coordination with the NERC Order 890 reliability standards development because the language to address this item is contained within a draft standards that addresses items that are dependent on NERC deliverables, i.e., the requirements to create an "ATC Information Link" on OASIS. There is no Order 890 cite for this item.</p> <p>Status: Completed</p> <p>Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.</p>	1 <sup>st</sup> Q, 2008	BPS, ESS/ITS
c)	<p>Develop version 1 business practice standards to support transparency reporting and related functions that may be required as a result of the final order.</p> <p>Status: Completed</p> <p>The Executive Committee did not approve the recommendation submitted by the EC Task Force. Instead, they approved a "No Action" Recommendation for this annual plan item at their October 6, 2008 meeting</p>	3 <sup>rd</sup> Q 2008	EC Task Force
<b>3</b>	<b>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>		
a)	Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
i)	<p>Develop OASIS S&amp;CP changes to support OASIS business practices.</p> <p>Status: Completed</p> <p>Dependent on development of OASIS business practices</p>	3 <sup>rd</sup> Q 2008	ESS/ITS
ii)	<p>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))</p> <p>Status: Underway</p>	1 <sup>st</sup> Q, 2009	ESS/ITS
iii)	<p>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>).</p> <p>Status: Underway</p>		
1)	<p>Work with the NAESB counsel to develop a confidentiality agreement, (<a href="#">R07013</a>)</p>	2009	BPS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
2)	Transition the TSIN Registry from NERC to NAESB.	2009	NAESB Staff
3)	Review and correct the Coordinate interchange Business Practice Standard as noted during the development of the e-Tag 1.8 development process.	3 <sup>rd</sup> Q, 2009	JISWG
v)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff ( <a href="#">R05019</a> ).  Status: Not Started	3 <sup>rd</sup> Q, 2009	ESS/ITS
vi)	Make 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 and assignments made to BPS, ESS/ITS and JISWG.		
1)	Represent ALL pre-Order 888 (“grandfathered”) transmission and ancillary services in current use in OASIS  Status: Completed	3 <sup>rd</sup> Q, 2008	BPS, ESS/ITS
2)	Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted  Status: Not Started	3 <sup>rd</sup> Q, 2009	ESS/ITS
3)	Initiate standard that requires ALL historical transmission service reservations to be available for review up to a number of years in the past.  Status: Completed	3 <sup>rd</sup> Q, 2008	ESS/ITS
4)	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.  Status: Not Started	2009	ESS/ITS
5)	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.  Status: Not Started	2009	ESS/ITS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
6)	Standardize the availability of TSR study result postings, eliminating practice of some Transmission Owners that charge for viewing these documents.  Status: Completed  This item was completed with Recommendation (2008 AP Item 2.a.i.5, 2008 AP Item 2.a.i.6, and 2008 AP Items 2.a.ii.1-3) WEQ-001 Changes for Rebid of Partial Service, Preconfirmation Priority, and Group 2: Metrics; Redispatch Cost Posting.	1 <sup>st</sup> Q, 2008	ESS/ITS
vii)	Respond to issues in FERC Order No. 676 (Docket No. RM05-5-000) – NAESB WEQ Standards 001 9.7, (paragraph 51 of the order).  Status: Underway  Item was assigned to group 4, reference 2007 WEQ AP item 2(a)(iv)(3).	2009	EC Task Force
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Address the <a href="#">surety assessment findings</a> on NAESB PKI standards.  Status: Completed  Item will be provided as a response to the U.S. DoE upon completion by the WGQ for their response to the findings.	1 <sup>st</sup> Q, 2008	JISWG
ii)	Develop PKI standards for OASIS.  Status: Not Started	2009	ESS/ITS
iii)	Develop PKI Standards for e-tagging (Develop Implementation Plan).  Status: Underway  eTagging items are linked to the transition of the Registry from NERC to NAESB.	2 <sup>nd</sup> Q 2009	JISWG
iv)	Develop enhanced Electric Industry Registry (EIR), ( <a href="#">R06027</a> )  Status: Underway  The transition of the Registry from NERC to NAESB as part of this request should take place by yearend 2008.	2009	NAESB Staff
c)	Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers.  Status: Underway  Common code usage is linked to the transition of the Registry from NERC to NAESB.	2009	NAESB Staff with WEQ support
d)	Develop business practice standards in support of FERC Order 717  Status: Not Started	2 <sup>nd</sup> Q, 2009	ESS/ITS



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>4 Review and develop business practices standards to support e-Tariff program</b>		
Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. ( <a href="#">Docket No RM05-1-000</a> ) Status: Completed Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	1 <sup>st</sup> Q 2008	Joint WEQ/WGQ e-Tariff Subcommittee
<b>5 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) Develop matrix and business practice standards for measurement and verification for demand response programs in ISO/RTO footprint areas. Status: Underway	4 <sup>th</sup> Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
b) Develop matrix and business practice standards for measurement and verification for demand response programs in non-ISO/RTO footprint areas. Status: Underway	TBD	Joint WEQ/Retail DSM-EE Subcommittee
c) Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs. Status: Underway	4 <sup>th</sup> Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
d) Develop glossary for business practice standards Status: Underway	4 <sup>th</sup> Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
e) Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Underway	4 <sup>th</sup> Q, 2008	Joint WEQ/Retail DSM-EE Subcommittee
f) Develop 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: Not Started	Phase 2	Joint WEQ/Retail DSM-EE Subcommittee



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
g) Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations. Status: Not Started	Phase 2	Joint WEQ/Retail DSM-EE Subcommittee
h) Develop business practice standards for cap and trade programs for green house gas Status: Not Started	Phase 2	Joint WEQ/Retail DSM-EE Subcommittee
<b>6 Maintain existing body of Version 1 standards</b>		
a) Review/revise WEQ 006 to remove/revise mandatory requirements for Interconnection Time Monitor (R07019) Status: Completed  Published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	2 <sup>nd</sup> Q, 2008	BPS
b) Develop a NAESB time and inadvertent management business practice that provides additional inadvertent payback options and improved time control (R07020) Status: Complete	3 <sup>rd</sup> Q, 2008	BPS
c) Make consistency changes to Version 1.0 standards as directed by the WEQ Leadership Committee on December 12, 2007 (R08001 – BPS, ESS/ITS, R08002 - ESS/ITS, R08003 - ESS/ITS - BPS, R08004, R08005 - ESS/ITS)		
1) OASIS Consistency Changes (R08001, R08002, R08003, R08005) Status: Not Started	2009	ESS/ITS
2) Gas / Electric Communication Consistency Changes (R08004) Status: Not Started	2009	BPS
d) Modify WEQ-001 to reflect in the definition of certain ancillary services that such ancillary services may be provided by non-generation resources such as demand resources. ( <a href="http://www.naesb.org/pdf3/weq_ec051308w2.doc">http://www.naesb.org/pdf3/weq_ec051308w2.doc</a> ) Status: Completed  To be published in Version 002, September 30, 2008 and forwarded to the FERC as part of the Version 002 filing, August 29, 2008.	July 2008	BPS, ESS/ITS



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	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
e)	<p>Modify NAESB definitions to address internal inconsistencies and inconsistencies with the NERC glossary, (<a href="http://www.naesb.org/pdf3/weq_ec051308w3.doc">http://www.naesb.org/pdf3/weq_ec051308w3.doc</a>)</p> <p>Status: Underway</p> <p>Subcommittee co-chairs are developing WEQ-000 Definition of Terms/Acronyms to replace definitions being included in each NAESB Business Practice.</p>	1 <sup>st</sup> Q, 2009	BPS, SRS, ESS/ITS
f)	<p>Review and evaluate whether to cutoff or put a size limit on the entities for which the standards apply</p> <p>Status: Completed</p> <p>After review of FERC Order 676, the subcommittee determined this annual plan item was outside of NAESB's scope. Waivers for standards based on an entity's size should be addressed by FERC rather than through standards at NAESB.</p>	3 <sup>rd</sup> Q, 2008	SRS
g)	<p>Investigate and review possible modifications to the WGQ Intraday Nominations, Confirmation Scheduling, and Gas Day standards, including possible standards for coordination of wholesale electric and wholesale gas scheduling. (<a href="#">R03031</a>, <a href="#">R03031 revised</a>, <a href="#">Interim Report</a>, <a href="#">Final Report</a>)</p> <p>Status: Completed</p> <p>The subcommittee reviewed the standards request and documentation developed by the Gas Electric Coordination Task Force and determined no additional work was required. The subcommittee approved a "no action" recommendation to close out this standards request.</p>	3 <sup>rd</sup> Q 2008	SRS
h)	<p>Develop standards to allow for registered Market Operators to request changes to the Market Level profile of Implemented Interchange (<a href="#">R06006</a>)</p> <p>Status: Underway</p> <p>This request may be more of a clean-up in nature as it was requested in May 2006 but has not been addressed or presented as completed with the requisite documentation.</p>	1 <sup>st</sup> Q 2009	JISWG
i)	<p>Modify the timing chart for the Western Interconnection in WEQBPS-006 to an initiation of manual time error at +/-5 seconds. (<a href="#">R06010</a>)</p> <p>Status: Completed</p> <p>The BPS developed a No Action recommendation for this request since the scope of the request had been addressed through a minor correction in 3<sup>rd</sup> Quarter 2006.</p>	3 <sup>rd</sup> Q, 2008	BPS
j)	<p>Develop a standard mechanism to implement a "RECALL" of transmission capacity from an existing confirmed transmission service reservation/Specify the technical requirements for implementation of a new OASIS request type, RECALL. (<a href="#">R07001</a>)</p> <p>Status: Completed</p> <p>This request was originally assigned to the ESS/ITS in February 2007.</p>	3 <sup>rd</sup> Q, 2008	ESS/ITS



## North American Energy Standards Board

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### NORTH AMERICAN ENERGY STANDARDS BOARD

2008 WEQ Annual Plan Approved by the Board of Directors on October 20, 2008

Reviewed by Subcommittee, Working Group, and Task Force Co-Chairs as of November 14, 2008

	Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
k)	Clarify the S&CP implementation of the DEFERRAL request. ( <a href="#">R07003</a> ) Status: Completed This request was originally assigned to the ESS/ITS in February 2007.	3 <sup>rd</sup> Q, 2008	ESS/ITS
l)	Develop business practice and technical standards for assigning, tracking, and limiting rollover rights. ( <a href="#">R07004</a> ) Status: Completed This Standards Request was assigned to the ESS/ITS in February 2007.	3 <sup>rd</sup> Q, 2008	ESS/ITS
m)	Update the Timing Table to Reflect the Categories (On-time, Late, After-the-fact, and Pre-late) used in the latest E-Tag Specification with respect to receipt of an Arranged Interchange (RFI). ( <a href="#">R07007</a> ) Status: Completed	4 <sup>th</sup> Q, 2008	JISWG
n)	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. ( <a href="#">R08011</a> ) Status: Not Started This Standards Request was assigned to the ESS/ITS in May 2008.	2009	ESS/ITS
o)	Provide for Enhanced Granularity for Public Utilities in Identifying Critical Operational Flow Orders. ( <a href="#">R08020</a> ) Status: Not Started. This Standards Request was assigned to the BPS in August 2008.	2009	BPS jointly with WGQ BPS



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### NORTH AMERICAN ENERGY STANDARDS BOARD

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#### PROVISIONAL ITEMS

- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy and Inadvertent Interchange Data Standards BAL-006 revisions.

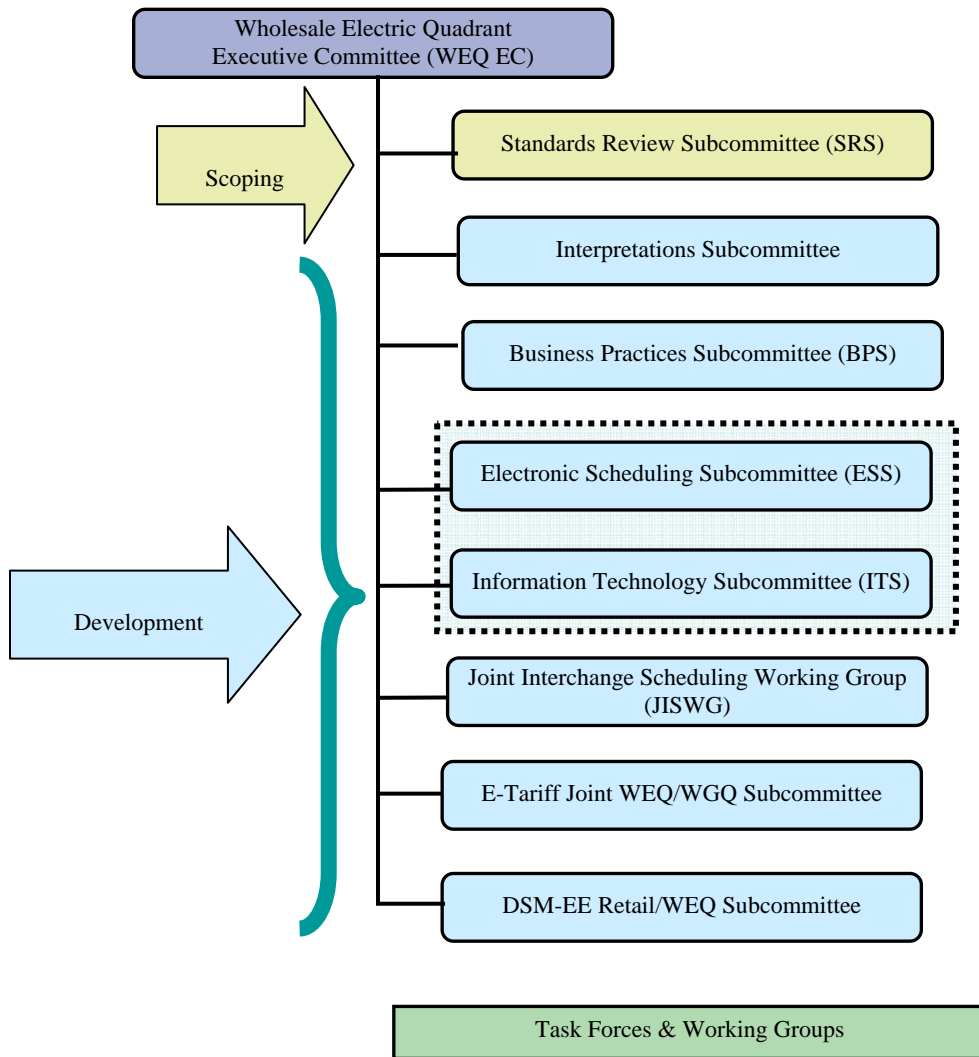
Status: In review of the NERC development effort, [Balancing Authority Controls \(Project 2007-05\)](#), with Mr. Akens (TVA, NERC Drafting Team Leader) and Mr. Rodriguez (NERC Manager, Business Practice Coordination), it was determined that no changes would be required to NAESB standards. As such, NAESB leadership is not at this time determining if any development would be undertaken, which would then initiate a joint development effort. A [letter](#) to this effect was sent to NERC management. This assessment may however change as the NERC drafting team proceeds further in its development, so the provisional item remains on the 2008 WEQ Annual Plan.

- 2 Develop business practice standards as requested by the regional and state advisory groups.
- 3 Develop business practice standards as related to the Effectiveness Study of Competitive Wholesale Markets (Congressional Mandate), Electric Energy Market Competition Task Force, Docket No. [AD05-17-000](#), issued by the FERC on October 13, 2005.
- 4 Develop and/or maintain business practice standards to support gas-electric interdependencies
  - Respond to requests as received that are related to Docket No. RM05-28-000.
  - Respond directives related to the conclusions of the NAESB reports submitted in FERC Order No. 698, Docket Nos. RM05-5-001 and RM96-1-027.
- 5 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).
- 6 Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.



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**NAESB WEQ EC and Subcommittee Leadership:**

- Executive Committee: Kathy York (WEQ EC Chair) and Clay Norris (WEQ EC Vice Chair)
- Standards Review Subcommittee: Narinder Saini, Ed Skiba
- Interpretations Subcommittee: Robert Schwermann
- Business Practices Subcommittee & Task Forces: Jim Busbin (TLR), Ed Skiba
- Electronic Scheduling Subcommittee/Information Technology Subcommittee & Task Forces: Paul Sorenson, J.T. Wood, Marcie Otondo
- Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger (NAESB), Jim Hansen (NERC)
- e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)
- DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)



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### End Notes WEQ 2008 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. 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 committee structure can be found at the end of the annual plan document.

<sup>3</sup> For additional information, please see: [http://www.naesb.org/pdf3/weq\\_bps100407w4.ppt](http://www.naesb.org/pdf3/weq_bps100407w4.ppt) for Phase II changes and [http://www.naesb.org/pdf2/weq\\_bps070907w4.doc](http://www.naesb.org/pdf2/weq_bps070907w4.doc) for Phase III changes.

<sup>4</sup> [Joint Development Procedure](#) is to be used by the NERC TLR Drafting Team and NAESB BPS.

<sup>5</sup> For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item: [http://www.naesb.org/pdf3/weq\\_aplan102907w1.pdf](http://www.naesb.org/pdf3/weq_aplan102907w1.pdf).

<sup>6</sup> Joint Development Procedure is to be used by the NERC TLR Drafting Team and NAESB BPS.

<sup>7</sup> The June 1, 2008 dates included in this Annual Plan Item are assigned as a result of FERC extending deadlines to both NERC and NAESB on ATC related Order No. 890 items.



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October 15, 2008

**TO:** NAESB Executive Committee and Interested Industry Participants  
**FROM:** Rae McQuade, NAESB Executive Director  
**RE:** Schedule of 2008/2009 Meetings

Below is the schedule of 2008 meetings for the Executive Committee, Board of Directors and Advisory Council. The schedule for the 2009 Board and EC meetings is also included.

### 2008 Calendar of Board and EC Meetings

Date	Meeting	Location
February 4-5	EC Meetings WEQ	Houston – NAESB Office
February 16	Advisory Council Meeting	Washington D.C. in conjunction with the NARUC Winter meetings
February 29	EC Meetings – Joint WEQ and WGQ	Houston – NAESB Office
March 27	Board of Directors	Houston – Marriott IAH
May 13-15	Executive Committee Meetings (WEQ, Retail, WGQ)	Washington D.C. – AGA Offices
June 26	Board of Directors Meeting & Strategic Planning Session	Houston – Wyndham Greenspoint
August 19-21	Executive Committee Meetings (WEQ, Retail, WGQ)	Colorado Springs, CO – EPNG Offices
September 25	Board of Directors	Houston – Wyndham Greenspoint
November 4-6	Executive Committee Meetings (WEQ, Retail, WGQ)	Richmond – Dominion Offices
December 18	Board of Directors	Houston – Wyndham Greenspoint

### 2009 Calendar of Board Meetings

Date	Meeting	Location
March 26	Board of Directors	Houston – Marriott IAH
June 25	Board of Directors Meeting and Meeting of the Members	Houston – Marriott IAH
September 24	Board of Directors	Houston – Marriott IAH
December 10	Board of Directors	Houston – Marriott IAH
February 3-5	Executive Committee (WEQ, Retail, WGQ)	Phoenix, Hosted by SRP
February 14	Advisory Council Meeting	Washington D.C. – Renaissance Washington Hotel (in conjunction with NARUC Winter Meeting)
May 12-14	Executive Committee (WEQ, Retail, WGQ)	Carmel, IN hosted by ACES Power
August 18-20	Executive Committee (WEQ, Retail, WGQ)	Colorado Springs hosted by El Paso Western Pipelines
October 27-29	Executive Committee (WEQ, Retail, WGQ)	Richmond, VA hosted by Dominion (to be verified)