

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

North American Energy Standards Board
Board of Directors Meeting
September 21, 2006

NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
JUNE 22, 2006

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NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

TAB 1

WELCOME AND OPENING REMARKS

This section includes:

- Welcome and opening remarks including meeting specifics.
- The roster of the members of the Board of Directors.
- Antitrust guidelines to be covered by General Counsel Bill Boswell at the beginning of the meeting.
- Calendar of Meetings for 2006

This section tracks with agenda item 1. There are no actions expected of the Board members.

NORTH AMERICAN ENERGY STANDARDS BOARD
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SEPTEMBER 21, 2006

WELCOME AND OPENING REMARKS

- The meeting specifics are:

Where: Houston Airport Marriott Hotel
 18700 John F. Kennedy Blvd., Houston, Texas 77032
 Hotel Phone: 281-443-2310

When: Wed, September 20	1:00 pm 2:00 pm to 5:00 pm 2:00 pm to 5:00 pm	Working Lunch for Leadership Meetings WEQ Leadership Meeting Retail Leadership Meeting
Thu, September 21	8:30 am to 9:45 am 10:00 am to 1:30 pm	Board Resources Meeting Board Meeting A working lunch will be provided

Please feel free to call (713-356-0060) if you have any questions or comments, additions to the agenda, or additional meeting materials. If you would prefer attending by conference call, the NAESB Office can provide the conference calling information for any of the above meetings.

- For further assistance please reach:

Veronica Thomason at (713) 356 - 0060

- The officers presiding over the Board of Directors meeting are:

Joe Stepenovitch	- Chairman
Michael Desselle	- Vice Chairman Wholesale Electric Quadrant
Leonard Haynes	- Vice Chairman Retail Electric Quadrant
Mark Maassel	- Vice Chairman Retail Gas Quadrant
Rae McQuade	- President, COO and Secretary
Bill Boswell	- General Counsel

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MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

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.

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
 Home Page: www.naesb.org

NORTH AMERICAN ENERGY STANDARDS BOARD 2006 BOARD TERMS – Wholesale Gas Quadrant

PRODUCERS SEGMENT		TERM END:
Jay Ellzey	Manager – Regulatory and Opco Support, ChevronTexaco Natural Gas	12-31-2006
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	12-31-2007
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	12-31-2007
V A C A N C Y		12-31-2006
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	12-31-2007
PIPELINE SEGMENT		
Jim Goldmann	Vice President for Transportation Services and Development, Alliance Pipeline	12-31-2006
Larry Smith	Vice President Commercial Operations, Tennessee Gas Pipeline Company	12-31-2006
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	12-31-2006
Anne Bomar	Vice President, Dominion	12-31-2007
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	12-31-2007
LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	12-31-2006
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	12-31-2006
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	12-31-2006
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	12-31-2007
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	12-31-2007
END USERS SEGMENT		
Valerie Crockett	Tennessee Valley Authority	12-31-2006
Joe Stepenovitch		12-31-2006
Diane McVicker	Senior Principal Fuel Analyst, Salt River Project	12-31-2006
Terry Morrison	Vice President of Energy Marketing and Trading, Florida Power & Light	12-31-2007
Jim Templeton	Principal, Comprehensive Energy Services	12-31-2007
SERVICES SEGMENT		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	12-31-2006
Michael Smith	Vice President—Regulatory and Legislative Affairs, Constellation Energy Commodities Group	12-31-2006
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2006

OFFICERS: Joe Stepenovitch is CEO and Chairman of the Board of Directors. Rae McQuade as President serves as Secretary and COO. Leonard Haynes is the REQ Vice Chairman. Mark Maassel is RGQ Vice Chairman. Michael Desselle is the WEQ Vice Chairman. Joe Stepenovitch is the WGQ Vice Chairman, Jim Templeton is Chair Emeritus.

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NORTH AMERICAN ENERGY STANDARDS BOARD 2006 BOARD TERMS – Retail Electric Quadrant

SUPPLIERS SEGMENT		TERM END:
Peter Kelly-Detwiler	Director of Operations, Constellation NewEnergy	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2006
Richard Zelenko	General Manager, Dominion Retail Inc.	12-31-2006
DISTRIBUTORS SEGMENT		
David Koogler	Director – State Regulation, Dominion Virginia Power (SERC NERC Region)	12-31-2007
Bill Bourbonnais	Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)	12-31-2007
Ruth Kiselewich	Director Special Projects and Supplier Services, Baltimore Gas & Electric Company (MAAC NERC Region)	12-31-2006
Leonard Haynes	Executive Vice President, Supply Technologies, Renewables, and Demand, Southern Company Services (SERC NERC Region)	12-31-2006
END USERS SEGMENT		
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2006
V A C A N C Y		12-31-2006
SERVICE PROVIDERS SEGMENT		
Jim Minneman	Director of Business Services, PPL Solutions LLC	12-31-2007
V A C A N C Y		12-31-2007
J Cade Burks	President, EC Power	12-31-2006
V A C A N C Y		12-31-2006

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NORTH AMERICAN ENERGY STANDARDS BOARD 2006 BOARD TERMS – Wholesale Electric Quadrant

TRANSMISSION SEGMENT		TERM END:	SUBSEGMENT:
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	12-31-2007	Muni/Coop
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	12-31-2006	Fed/State/Prov.
John E. Lucas	Manager, Transmission Services, Southern Company	12-31-2006	IOU
Michael Desselle	Chief Administrative Officer and Vice President of Process Integrity – Southwest Power Pool	12-31-2007	IOU
Paul McCoy	Managing Director & Chief Operating Officer, Trans-Elect	12-31-2006	ITC
V A C A N C Y		12-31-2007	ITC
Ken Wiley	President and Chief Executive Officer, Florida Reliability Coordinating Council	12-31-2007	At-Large
GENERATION SEGMENT			
Curtis Winterfeld	Vice President of Power Marketing, Deseret Generation & Transmission Cooperative	12-31-2007	Muni/Coop
Belinda Thornton	Senior Manager – Real Time Trading, Tennessee Valley Authority	12-31-2006	Fed/State/Prov.
John J. Dellas	Executive Manager, Electric Supply, Consumers Energy	12-31-2006	IOU
Charles W. Severance	Manager – Supply & Wholesale Services, Wisconsin Public Service Corporation	12-31-2007	IOU
Michael Gildea	Executive Director, Regulatory Affairs, Constellation Generation Group	12-31-2007	Merchant
Gloria Ogenyi	Vice President Energy Policy, Conectiv Energy Supply, Inc.	12-31-2006	Merchant
Ron Mucci	Senior Vice President Shared Services, Williams Power Company	12-31-2007	At-Large
MARKETERS/BROKERS SEGMENT			
Roy True	Manager of RTO Market Development, ACES Power Marketing	12-31-2006	Muni/Coop
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	12-31-2007	Fed/State/Prov.
Michael Grim	Director of Markets and Regulation, TXU Business Services	12-31-2006	Not IOU Affiliated
V A C A N C Y		12-31-2007	Not IOU Affiliated
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	12-31-2006	IOU
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	12-31-2007	IOU
Rick Smead	Director, Navigant Consulting, Inc.	12-31-2007	At-Large

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DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		TERM END:	SUBSEGMENT:
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	12-31-2006	Muni/Coop
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	12-31-2007	Muni/Coop
Mark Crosswhite	Senior Vice President & General Counsel – Generation and Energy Marketing, Southern Company	12-31-2006	IOU
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	12-31-2007	IOU
V A C A N C Y		12-31-2006	Competitive Retailer
V A C A N C Y		12-31-2007	Other
Bruce Ellsworth	New York State Reliability Council	12-31-2007	At-Large
END USERS SEGMENT			
V A C A N C Y		12-31-2007	End Use (Also in another segment)
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	12-31-2006	End Use (Self Generator)
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	12-31-2006	Regulator
V A C A N C Y		12-31-2007	Residential/Commercial
Jeanne Zaiontz	Director, Regulatory Affairs, BP Energy Co.	12-31-2006	Large Industrial
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	12-31-2007	Large Industrial
Kevin Burns	Vice President Sales and Marketing, Open Access Technology International, Inc.	12-31-2007	At-Large

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

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 subsegments are controlled through the WEQ Procedures.

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SUPPLIERS SEGMENT		TERM END:
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.	12-31-2006
V A C A N C Y		12-31-2006
V A C A N C Y		12-31-2006
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
DISTRIBUTORS SEGMENT		
Craig White	Chief Operating Officer, Philadelphia Gas Works	12-31-2006
V A C A N C Y		12-31-2007
Mark T. Maassel	President, Northern Indiana Public Service Company (NiSource, Inc.)	12-31-2006
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2006
END USERS SEGMENT		
V A C A N C Y		12-31-2006
V A C A N C Y		12-31-2006
V A C A N C Y		12-31-2006
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
SERVICE PROVIDERS SEGMENT		
Leigh Spangler	President, Latitude Technologies Inc.	12-31-2006
V A C A N C Y		12-31-2006
Dave Darnell	President & CEO, Systrends USA	12-31-2007
Greg Lander	Principal, Commerce Energy Group	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2006



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November 23, 2005

TO: NAESB Executive Committee and Interested Industry Participants
FROM: Rae McQuade, NAESB Executive Director
RE: Schedule of 2006 Meetings

Below is the schedule for 2006 meetings for the Executive Committee, Board of Directors and Advisory Council. Unless sponsors are noted for the meetings or the location has already been set as noted below, they will be held in Houston. Should other sponsors volunteer in the next few weeks, these locations may change:

Date	Meeting	Location
February 21-23	Executive Committee Meetings (WEQ, Retail, WGQ)	Houston
May 9-11	Executive Committee Meetings (WEQ, Retail, WGQ)	Washington DC hosted by AGA
August 15-17	Executive Committee Meetings (WEQ, Retail, WGQ)	Colorado Springs hosted by El Paso Western Pipelines
November 14-16	Executive Committee Meetings (WEQ, Retail, WGQ)	Dallas Hosted by TXU
March 23	Board of Directors	Houston
June 22	Board of Directors Meeting & Strategic Planning Session	San Antonio
September 21	Board of Directors	Houston
December 14	Board of Directors	Houston
February 11	Advisory Council Meeting	Washington D.C. in conjunction with the NARUC Winter meetings

NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

TAB 2

MEETING ANNOUNCEMENT AND AGENDA

This section includes:

- The meeting announcement and agenda for the Board normal business,

The material presented is background information for the discussion of agenda item 1.

The Board will discuss and review agenda and will be asked to adopt the agenda through a simple majority vote.



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August 22, 2006

TO: Interested Industry Participants
FROM: Rae McQuade, NAESB President and COO
RE: Meeting Announcement for the NAESB Board Meeting – September 21, 2006

Dear Interested Industry Participants:

The September Board meeting will be held in Houston at the Houston Airport Marriott Hotel, which is located adjacent to the George Bush Intercontinental Airport. The specifics of the meeting are:

Where: Houston Airport Marriott Hotel
18700 John F. Kennedy Blvd.
Houston, Texas 77032
Hotel Phone: 281-443-2310

When: 8:30 am to 9:45 am Board Resources Meeting
10:00 am to 1:30 pm Board Meeting

A working lunch will be provided

We look forward to seeing you at the meetings. Both are open to all interested parties. Conference calling will be available should you be unable to attend in person. More information on the Board meeting will be posted on the web site shortly, including the meeting materials: http://www.naesb.org/weq/weq_bod.asp.

Best Regards,

Rae McQuade
NAESB President & COO



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NAESB BOARD OF DIRECTORS MEETING Houston Airport Marriott Hotel, Houston, Texas

Thursday, September 21 – 10:00 a.m. to 1:30 pm Central
DRAFT AGENDA

- | | | |
|------------|----|---|
| 9:00 a.m. | | Continental Breakfast |
| 10:00 a.m. | 1. | Administration and Welcome <ul style="list-style-type: none"> • Antitrust Guidelines • Introduction of Board Members and Guests • Agenda Adoption • Adoption of Draft Minutes from 6-22-06 |
| | 2. | Reports from board committees: <ul style="list-style-type: none"> • Resources, • Retail Structure Review, • ISO/RTO Participation, • Managing Committee |
| | 3. | Updates on specific standards development efforts: <ul style="list-style-type: none"> • OATT NOPR Reform Comments and Analysis • Gas Quality Progress • Retail Invoicing • Retail Contracts • Wholesale Gas Base Contract • Joint effort with Sandia National Laboratories • Joint efforts with NERC |
| | 4. | Executive Committee Reports <ul style="list-style-type: none"> • Executive Committee Report from each Quadrant • Standards Adopted Since the June 22 Board Meeting • Filings with the FERC |
| | 5. | Financial Report <ul style="list-style-type: none"> • Financial Report for 2006 YTD • Membership Report |
| | 6. | Plan for December 14, 2006 Board Meeting |
| | 7. | Old and New Business |
| 1:30 p.m. | | Adjourn |

*Attire – Business Casual
 A working buffet lunch will be provided.*

NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

TAB 3

DRAFT MINUTES – JUNE 22, 2006

This section includes:

- The draft minutes for the Board meeting on June 22, 2006.

The material presented is background information for the discussion of agenda item 1.

The Board will discuss and review minutes and will be asked to adopt the minutes as final through a simple majority vote.



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July 5, 2006

TO: NAESB Board Members, Posting for Interested Industry Participants
FROM: Laura Kennedy, NAESB Meeting/Project Manager
RE: Draft Minutes from the NAESB Board of Directors Meeting and Strategic Session, and NAESB Meeting of the Members – June 22, 2006

**NORTH AMERICAN ENERGY STANDARDS BOARD
 NAESB BOARD OF DIRECTORS MEETING & STRATEGIC SESSION
 NAESB MEETING OF THE MEMBERS
 June 22, 2006 in San Antonio, TX
 Draft Minutes**

1. Administration and Welcome

Mr. Boswell read the antitrust guidelines. Mr. Stepenovitch welcomed the Board Members and guests. Mr. Horting moved, seconded by Mr. Desselle, to adopt the agenda. The motion passed unanimously. Mr. Lucas moved, seconded by Mr. Haynes, to adopt the draft minutes from the March 23, 2006 meeting as the final minutes. The motion passed unanimously. The final minutes from the March 23, 2006 Board meeting are posted on the NAESB website at <http://www.naesb.org/pdf2/bd032306fm.doc>.

2. Meeting of the Members

The Board of Directors took a brief recess, while the NAESB Annual Meeting of the Members was conducted in accordance with Article VI of the Certificate.

Review of key accomplishments: Ms. McQuade presented the review of the 2005 Key Accomplishments included in the presentation titled “Meeting of the Members” posted for this meeting: http://www.naesb.org/pdf2/bd062206p1_meeting%20of%20the%20members.pdf. Supporting documentation for the Key Accomplishments can also be found behind Tab 4 of the Board Book.

Review of standards adopted: Ms. McQuade presented the review of the Standards Adopted in 2005 included in the presentation titled “Meeting of the Members” posted for this meeting: http://www.naesb.org/pdf2/bd062206p1_meeting%20of%20the%20members.pdf. Supporting documentation for the Standards Adopted in 2005 can also be found behind Tab 4 of the Board Book.

Also as accomplishments in 2005, sunset provisions were applied to the NAESB certificate on January 1, 2005. The sunset provision was extended to December 31, 2014. In March 2005, ANSI reviewed the NAESB governance documents to ensure that NAESB meets the “ANSI Essential Requirements”. NAESB received notification that it meets the ANSI requirements for a Standards Development Organization.

In April, 2005, the WEQ Procedures were modified to reflect an additional at-large sub-segment in each WEQ segment.



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NAESB is working with Sandia National Laboratories in its effort to prepare a surety assessment of the NAESB technical standards. This effort began in October 2005 and it is the expectation that the report will be completed by the end of the 2nd Quarter, 2006.

In November, 2005, the auditing firm Dishongh, Jankowski and Eubank PC, conducted a financial review of NAESB. No changes to NAESB accounting reports or process were recommended.

Review of partnerships with agencies and trade associations: NAESB continues to hold its Monthly Update calls. The WEQ also participates in the NERC/NAESB/IRC Joint Interface Committee (JIC) meetings to review requests that are submitted to NERC and NAESB. NAESB has visited with executives of trade associations, the FERC, NARUC, and the Department of Energy to review activities and plans. Additional information can be found behind Tab 4 of the Board Book.

3. Review of Board Responsibilities

Mr. Boswell conducted a review of Board Responsibilities titled "Board: The Good, The Bad & The Ugly". This presentation was posted subsequent to this meeting on the Board page: http://www.naesb.org/pdf2/bd062206p2_non%20profit%20boards.pdf. Supplemental information, including excerpts from the NAESB Certificate and Bylaws, can be found behind Tab 5 (pages 40-42) of the Board Book.

Mr. Brown asked whether Board Members have responsibility to the specific quadrants they represent within the NAESB organization. Mr. Boswell stated that a Board Member's primary responsibility is to NAESB, secondary responsibility is to the quadrant, and tertiary responsibility is to his employer. Mr. Boswell noted that NAESB was created with the Board of Directors and the Executive Committees with the thought that at the Executive Committee level, Executive Committee members would be expected to represent their interests, while Board Members have a duty to do what is best for the interest of the organization as a whole.

Mr. Haynes asked if there were specific examples when a Board Member would need to excuse himself from voting due to conflicts. Mr. Boswell stated that when a company has submitted a bid to provide a good or service; when the corporation is involved in litigation; or if voting could undermine the Board Member's employer's legal position are examples of when a Board Member would need to excuse himself from voting on a particular item.

Mr. Brown asked if NAESB Board Members have the authority to speak for the organization. Mr. Boswell stated that a Board Member can speak to anything the Board has enunciated as policy. Regardless of the Board Member's vote on a particular item, the Board Member must enunciate the outcome of the vote as NAESB's policy.

4. Strategic Session

Review of the last strategic session: Ms. McQuade provided the review of the strategic session held on June 22, 2005. The presentation, titled, "Review of NAESB Strategic Session", was posted subsequent to the Board meeting on the NAESB website: http://www.naesb.org/pdf2/bd062206p3_2005%20strategic%20session%20results.pdf. Supplemental information can be found behind Tab 6 (pages 44-57) of the Board Book.

Ms. McQuade stated that NAESB has taken the following action on the items identified at the last strategic session: continued discussion of NAESB's coordination with NERC on gas-electric coordination issues with the NERC Board of Trustees; the WEQ and WGQ Executive



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Committees modified their Annual Plans to include general gas-electric interdependency items; the Retail Quadrant Annual Plans were modified to include development of model business practices for non-competitive markets; and the WGQ Executive Committee added an Annual Plan item for Part B of Request R03035.

Gas-Electric Interdependency: Ms. McQuade began the review of the work of the Gas-Electric Interdependency Committee included in the presentation titled "Gas-Electric Interdependency Issues" that was posted for this meeting: http://www.naesb.org/pdf2/bd062206p4_geic%20presentation.pdf. Supplemental information, including excerpts of the February 24, 2006 GEIC Report (the GEIC Report), was included in the Board Book behind Tab 7 (pages 59-65).

Mr. Novak presented Issue 1 in the GEIC Report. Mr. Novak stated that after NAESB submitted the GEIC Report to the FERC on February 24, 2006, the FERC has clarified that any fluctuation on capacity release has to be within the bounds of the recourse rate. Mr. Novak stated that if NAESB pursued development of standards to address Issue 1, the standards would have to be within the bounds of the recourse rate. Ms. Crockett presented Issue 2 in the GEIC Report. Ms. Crockett noted that Issue 2 was intricately tied to Issue 4: they impact the cycles of the gas and electric industries. Ms. McQuade noted that the assumption in Issue 2 was that a customer would need to have firm transportation on the pipeline in order to take advantage of the additional intraday nomination. Ms. Crockett stated that the change in bumping would be for the benefit of those holding firm transportation. Mr. Kruse presented Issue 3 in the GEIC Report. Mr. Kruse stated that Issue 3 give pipelines' scheduling flexibility for firm shippers and allow the pipeline to shift delivery points within a pipeline path without having to go back through the delivery cycle. Mr. Dison presented Issue 4. Mr. Dison stated that though the organized RTO markets were developed as part of an extensive stakeholder process approved by the FERC, there is still a disconnect between the clearing of those markets and the early day nomination cycles. Ms. McQuade reviewed Issue 5. Ms. York reviewed Issue 6 in the GEIC Report. Ms. York noted that the FERC NOPR in Docket No. RM05-25, the FERC requests definitions for terms that the NAESB WEQ has been unable to reach consensus for in the past. Ms. McQuade reviewed the Conclusions in the GEIC Report and the related actions that have been undertaken by NAESB and other organizations, including the Department of Energy and NECPUC, to highlight the issues identified in the GEIC Report.

The Board discussed whether the GEIC should be disbanded as it is not holding meetings at this time. After further discussion, it was the consensus of the Board to keep the GEIC as an active committee of the Board, but to put the GEIC in a dormant or inactive state. This will put the GEIC in position to be able to address any action by the FERC or other organizations on the GEIC Report.

Retail Directions: Mr. Haynes stated that the Board Book includes a list of possible areas of standards development identified by the Retail Awareness Committee, the Retail Structure Review Committee, and during the Retail Leadership meetings (the list can be found behind Tab 8 on page 73 of the Board Book). Mr. Bourbonnais added that the list was developed as a result of communication with other organizations and their members, such as EEI and AGA.

Ms. McQuade asked if the items in the list should be added to the Retail Quadrants' Annual Plan for 2007. Mr. Bourbonnais stated that the items should not be added to the Annual Plans at this time. Mr. Bourbonnais stated that the Retail Structure Review Committee will meet on July 6 to develop talking points for NAESB representatives to use while attending the NARUC Summer Meeting in San Francisco, California.



North American Energy Standards Board

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Mr. Bourbonnais stated that the Retail Structure Review Committee will present its Final Report at the December 2006 Board meeting. He noted that the Retail Quadrants have action items on the Annual Plan that will provide work for 2007.

Mr. Kruse stated that the Retail Structure Review Committee should be working to broaden the membership base before it broadens the work load of the Retail Quadrants. Mr. Bourbonnais stated that it is not likely that membership will expand because retail choice is not growing. The Retail Structure Review Committee and others are working to determine if there are other areas that are ripe for development of model business practices. Mr. Haynes added that there is not likely to be an increase in membership unless the Retail Quadrants are working on areas that are relevant to the industry participants.

Mr. Koogler stated that an additional possible area for standards development is Conservation Load Management. He stated that several non-choice state commissions are evaluating what the industry is doing on the demand side to determine what the industry participants are doing to encourage customers to utilize less energy.

Wholesale Gas Directions: Mr. Buccigross stated that most of the work in the Wholesale Gas Quadrant is in the area of gas quality. Supplemental materials for this agenda item can be found behind Tab 9, pages 75-87, of the Board Book. The Wholesale Gas Quadrant has completed Parts A and B of Request No. R03035 ((A) Establish web-based reporting of existing gas quality parameters; (B) standardize methodologies for calculating gas quality parameters). The recommendation for Part B is posted for ratification, with ballots due on June 23, 2006. On June 15, 2006, the FERC adopted a policy statement on gas quality and interchangeability. Mr. Buccigross stated that the standards adopted by the WGQ do not contradict the policy statement.

National Fuel Gas Distribution recently submitted Request No. R06008 to modify WGQ Business Practice Standard 4.3.90 to clarify that all available data at representative points should be made available by Transmission Service Providers. This request will be taken up by the WGQ Business Practices Subcommittee. It is the expectation that Request No. R06008 will be addressed before the end of the year.

During the May 2006 Monthly Update Call, FERC staff reviewed the proposed FERC eTariff program and discussed the different levels granularity required in the proposed eTariff requirements and the WGQ Informational Postings standards. Mr. Novak stated that when the new eTariff program is implemented, there will be three possible outcomes for NAESB standards: no change to the WGQ existing standards will be required; what is required in eTariff will replace the existing WGQ standards for informational postings; or some of the existing WGQ standards will need to be modified. The last of these possibilities is the likely outcome of the implementation of the eTariff program. Ms. McQuade noted that the 2007 WGQ Annual Plan should include a provisional item on the FERC eTariff.

Ms. Chezar requested that the Board consider adopting a process to provide for implementation of standards based on the concept of best practices rather than based on FERC policy. Mr. Boswell stated that the current NAESB process does not require a standard be based on FERC policy in order to be adopted. Mr. Haynes requested Ms. Chezar to capture her ideas regarding best practices in terms of how NAESB would alter the current process and have it posted for consideration at a future Board meeting.

Wholesale Electric Directions: Mr. Desselle stated that the WEQ leadership agreed to form a Task Force to review Ms. McQuade's summary of the FERC NOPR issued May 19, 2006 under



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Docket No. RM05-25-000 and RM05-17-000 – “Preventing Undue Discrimination and Preference in Transmission Service.” The Task Force will identify the items included in the NOPR that would require standards development efforts within NAESB and establish a work plan to address those items. The OATT Reform Fact Sheet, and Review of Possible NAESB efforts can be found behind Tab 10, pages 89-109 of the Board Book). The work plan will be filed in the form of comments to the FERC prior to the August 7, 2006 deadline.

The WEQ leadership is also going to form a named committee to review the WEQ segment and sub-segment structure to determine an appropriate response to the letter from the ISO/RTO Council (The letter can be found behind Tab 10, pages 115-123 of the Board Book).

The WEQ is also working jointly with NERC via the Joint Standards Development Process to develop business practices for ATC/AFC/TTC and CBM/TRM.

Funding and Membership Issues: Ms. McQuade provided the presentation titled “Funding Standards Organizations” that was posted on the NAESB website subsequent to the meeting: http://www.naesb.org/pdf2/bd062206p5_funding%20methods.pdf. Ms. McQuade stated that ninety-five percent of NAESB’s income comes from membership dues. To date in 2006, NAESB has received \$4,000 from the sale of standards. NAESB also receives income through its certification program. The NAESB Certification Program is set up to certify products, not individuals. To date in 2006, NAESB has received \$9,000 from certifications. ANSI is a liaison for NAESB and industry participants by selling the NAESB standards.

Ms. McQuade noted that NAESB’s membership in other standards organizations costs more than the NAESB membership fee. NAESB works to keep membership dues as low as possible and charges nominal fees for standards. The NAESB Materials Order Form was included in the Board Book behind Tab 11 on page 135.

5. Copyright Policy Review

Mr. Boswell presented a review of the NAESB Copyright Policy. Mr. Boswell’s presentation can be found on the NAESB website: http://www.naesb.org/pdf2/bd062206p6_copyright.pdf. The NAESB Copyright Policy and List of Companies with Access to NAESB Standards Under the Copyright Policy as of June 15, 2006 is included behind Tab 12, pages 137-155, of the Board Book.

After the presentation, Ms. Chezar asked if a company’s law firm purchased the NAESB standards, if the company would be in compliance with the NAESB Copyright Policy. Mr. Boswell stated that if a law firm purchases the NAESB standards, the law firm has the right to the standards, but does not have the ability to pass that right on to its clients.

Mr. Wells asked if an RRO wanted to access the NAESB standards if NAESB would grant a waiver to that organization in a way that has been done for several governmental agencies. Mr. Boswell stated that the decision to grant waivers and the conditions for the waiver is up to the copyright owner. Mr. Boswell suggested that an organization that is interested in a waiver should submit a request to the NAESB office.

6. Board Business

Standards Adopted Since the March Board Meeting: Ms. McQuade stated that the report on the standards adopted in 2006 can be found behind Tab 13, pages 157-159 of the Board Book. The WGQ has adopted standards that address maintenance issues. The Retail Quadrants have not adopted any new model business practices to date in 2006. The WEQ has adopted



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modifications to the OASIS standards, TLR standards, and coordinate interchange standards. The Recommendation for R06002 (Revised) (Modify the NAESB pre-split Version 0 TLR business practices to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (SPP regional difference for the inclusion of market flows) was adopted by the WEQ Executive Committee on May 9, 2006, but ratification has been held to wait on the approval of the complementary NERC reliability standards.

Filings with the FERC made since last report: Ms. McQuade stated that NAESB has not submitted any filings with the FERC since the March 2006 Board meeting. The list of FERC filings submitted to date in 2006 and the FERC filing proposed schedule is included behind Tab 14, pages 161-162, of the Board Book.

Reports from the Board Committees:

Resources Committee

The presentation for this agenda item was posted subsequent to the meeting on the NAESB website: http://www.naesb.org/pdf2/bd062206p7_resources%20committee%20efforts.pdf.

Mr. Brown stated that the Resources Committee has conducted outreach to potential members in a number of ways. The work of the Resources Committee has resulted in a net gain of five new members. The Resources Committee meets regularly via conference call. Mr. Brown stated that as the chair of the Resources Committee he will contact the vice-chairs of the Board to request they nominate at least two volunteers from each quadrant to join the Resources Committee. Mr. Brown requested that each Board member use the tools included in the presentations, the copyright report, the membership analysis, etc. to think of new potential NAESB members. Mr. Brown added that there are open Board and Executive Committee seats in each quadrant.

The Resources Committee is going to draft an accomplishments letter that will include the achievements NAESB has made in the past year to send to potential members or members who choose not to renew their memberships. This letter will provide a tool for making the case of why it makes sense to be a NAESB member. Mr. Brown stated that NAESB participants should conduct an outreach to end users.

Retail Awareness Committee

The presentation for this agenda item was posted subsequent to the meeting on the NAESB website:

http://www.naesb.org/pdf2/bd062206p8_retail%20awareness%20committee%20efforts.pdf.

Ms. Teel stated that a letter to the state commissioners that highlighted the work of the Retail Quadrants was distributed via e-mail in early March. A list of the state commissioners who received the letter can be found on pages 198-199 of the Board Book.

Retail Structure Review Committee

The presentation for this agenda item was posted subsequent to the meeting on the NAESB website:

http://www.naesb.org/pdf2/bd062206p9_retail%20structure%20review%20efforts.pdf.

Mr. Bourbonnais is the chair of the Retail Structure Review Committee (RSRC). Mr. Bourbonnais stated that he is planning to conduct an outreach to the state commissioners and commission staff who attend the summer NARUC meeting in San Francisco, California. The RSRC has completed similar efforts with the EEI and the AGA. The RSRC is going to



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develop a list of talking points to be used when meeting with the state commissioners and commission staff.

Coordination Committee

The presentation for this agenda item was posted subsequent to the meeting on the NAESB website: http://www.naesb.org/pdf2/bd062206p10_joint%20standards%20development.pdf.

Mr. Desselle stated that the Coordination Committee worked with NERC to develop the Joint Standards Development Process. NAESB and NERC have implemented the process to develop the standards for Request No. R05004 (Develop transmission service request and scheduling standards using TTC/ATC/AFC and CBM/TRM) and the complementary NERC SARs. The Joint Standards Development Process and the supporting documents for the process were included in the Board Book behind Tab 10 on pages 124-132.

Executive Committee Report from Each Quadrant with vote on changes proposed:

Wholesale Gas Quadrant

Mr. Buccigross reviewed the modifications to the WGQ 2006 Annual Plan proposed by the WGQ Executive Committee on May 11, 2006. The redlined Annual Plan is included on pages 203-206 of the Board Book. The Executive Committee proposed modifications to the completion dates of several items, added a new Item 6A to develop a Frequently Answered Questions document for the Updated NAESB Base Contract for Sale and Purchase of Natural Gas, and added a few Provisional Items.

Wholesale Electric Quadrant

Ms. York reviewed the modifications to the WEQ 2006 Annual Plan proposed by the WEQ Executive Committee on May 9, 2006. The redlined Annual Plan is included on pages 207-212 of the Board Book. Among other changes, the WEQ Executive Committee proposed to add Item 3(a)(x) "Respond to issues in FERC Order No. 676 (Docket No. RM05-5-000) – NAESB WEQ Standards 001-9.7, (paragraph 51 of the order)".

Retail Quadrants

Ms. Kiselewich reviewed the Retail Quadrants Joint 2006 Annual Plan included on pages 213-217 of the Board Book.

Mr. Desselle moved, seconded by Mr. Haynes to adopt the proposed modifications to the annual plans submitted by the Executive Committees. The motion unanimously passed a simple majority vote. [Vote 1].

Financial Report and Membership Report: Next, Ms. McQuade provided the report on the NAESB membership. The membership report was included on pages 219-231 of the Board Book. She noted that there has been a net loss of two members since yearend of 2005.

Ms. Wishart provided the financial report. Supporting documentation for the financial report can be found on pages 232-235 of the Board Book. Ms. Wishart noted that the Year to Date April actual income (1,307,000) is 10,000 more than the Year to Date April Budget (1,297,000). As of April, NAESB has net income of 29,000 over the budget for this point in the year.

Update on partnerships and Coordination with Other Groups:

Ms. McQuade highlighted the previous discussion of coordination with other groups, such as NERC, Sandia National Laboratories and the Department of Energy.



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7. Plan for upcoming September 21 Board Meeting in Houston

The next Board of Directors meeting is scheduled on September 21, 2005 from 9 a.m. to 1 p.m. Central time. The agenda and meeting materials will be distributed to the Board members prior to the meeting.

8. Old and New Business

There were no new business items raised. There were no old business items raised.

9. Adjourn

The meeting adjourned by consensus at 2:48 PM Central.



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10. Board Attendance

Wholesale Gas Quadrant Board Members

PRODUCERS SEGMENT	ATTENDANCE:	VOTE 1
Jay Ellzey	Manager – Regulatory and Opco Support, Chevron/Texaco Natural Gas	In Person Support
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Absent
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	In Person Support
Bill Hebenstreit	Director of Contract Services - El Paso Exploration & Production Company	In Person Support
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	Absent
PIPELINE SEGMENT		
Terry McGill	Executive Vice President, Enbridge Energy	Absent
Larry Smith	Vice President Commercial Operations, Tennessee Gas Pipeline Company	In Person Support
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	In Person Support
Anne Bomar	Vice President, Dominion	Absent
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	In Person Support
LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	In Person Support
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	Phone
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Phone
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	In Person Support
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Absent

END USERS SEGMENT	ATTENDANCE:	VOTE 1
Valerie Crockett	Tennessee Valley Authority	In Person Support
Joe Stepenovitch		In Person Support
Jim Templeton	Principal, Comprehensive Energy Services	In Person Support
SERVICES SEGMENT		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	In Person Support
Michael Smith	Vice President—Regulatory and Legislative Affairs, Constellation Energy Commodities Group	Absent
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	Phone Support

Retail Electric Quadrant Board Members

SUPPLIERS SEGMENT	ATTENDANCE:	VOTE 1
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Peter Kelly-Detwiler
Richard Zelenko

Director of Operations, Constellation NewEnergy
General Manager, Dominion Retail Inc.

Absent
Absent

DISTRIBUTORS SEGMENT

David Koogler	Director - Regulation & Competition, Dominion Virginia Power (SERC NERC Region)	In Person	Support
Bill Bourbonnais	Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)	In Person	Support
Ruth Kiselewich	Director Special Projects and Supplier Services, Baltimore Gas & Electric Company (MAAC NERC Region)	In Person	Support
Leonard Haynes	Executive Vice President, Supply Technologies, Renewables, and Demand, Southern Company Services (SERC NERC Region)	In Person	Support

END USERS SEGMENT

Sonny Popowski	Consumer Advocate, Pennsylvania Office of Consumer Advocate	Absent	
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SERVICE PROVIDERS SEGMENT

Jim Minneman	Director of Business Services, PPL Solutions LLC	Absent	
J Cade Burks	President, EC Power	Absent	

Wholesale Electric Quadrant Board Members

TRANSMISSION SEGMENT	SUBSEGMENT:	ATTENDANCE:	VOTE 1
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	In Person	Support
W Terry Boston	Executive Vice President - Transmission/Power Supply Group, Tennessee Valley Authority	Phone	Support
John E. Lucas	Manager, Transmission Services, Southern Company	In Person	Support
Michael Desselle	Director Public Policy, American Electric Power	In Person	Support
Paul McCoy	Managing Director & Chief Operating Officer, Trans-Elect	Absent	
Ken Wiley	President and Chief Executive Officer, Florida Reliability Coordinating Council	Absent	
GENERATION SEGMENT			
Belinda Thornton	Senior Manager - Real Time Trading, Tennessee Valley Authority	In Person	Support
John J. Dellas	Executive Manager, Electric Supply, Consumers Energy	Absent	
Charles W. Severance	Manager - Supply & Wholesale Services, Wisconsin Public Service Corporation	Phone	Support
Michael Gildea	Executive Director, Regulatory Affairs, Constellation Generation Group	Phone	Support
Gloria Ogenyi	Vice President Energy Policy, Connectiv Energy Supply, Inc.	Absent	
Ron Mucci	Senior Vice President Shared Services, Williams Power Company	Phone	Support

MARKETERS/BROKERS SEGMENT

Roy True	Manager of RTO Market Development, ACES Power	In Person	Support
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Jeff Ackerman	Marketing Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Fed/State/Prov.	In Person	Support
Michael Grim	Director of Markets and Regulation, TXU Business Services	Not IOU Affiliated	Absent	
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	IOU	Absent	
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	In Person	Support
Rick Smead	Director, Navigant Consulting, Inc.	At-Large	Phone	Support
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT				
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	Absent	
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	Muni/Coop	Phone	Support
Mark Crosswhite	Senior Vice President & General Counsel – Generation and Energy Marketing, Southern Company	IOU	Phone	Support
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	Absent	
Bruce Ellsworth	New York State Reliability Council	At-Large	In Person	Support
END USERS SEGMENT				
Carol Guthrie	General Manager, Electric Market Strategies, Chevron/Texaco Energy Research and Technology Company	End Use (Self Generator)	Absent	
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	Regulator	Absent	
Jeanne Zaiontz	Director, Regulatory Affairs, BP Energy Co.	Large Industrial	Absent	
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	Large Industrial	Absent	
Kevin Burns	Vice President Sales and Marketing, Open Access Technology International, Inc.	At-Large	Absent	

Retail Gas Quadrant Board Members

SUPPLIERS SEGMENT	ATTENDANCE:	VOTE 1
Kathy Fudali	Absent	
DISTRIBUTORS SEGMENT		
Craig White	Absent	
Glen R. Schwalbach	Absent	



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Mark T. Maassel President, Northern Indiana Public Service Company (NiSource, Inc.) Absent
 Ralph Cleveland Senior Vice President – Engineering and Operations, AGL Resources, Inc. In Person Support

END USERS SEGMENT

SERVICE PROVIDERS SEGMENT
 Leigh Spangler President, Latitude Technologies Inc. In Person Support
 Dave Darnell President & CEO, Systrends USA Phone
 Greg Lander Principal, Commerce Energy Group Absent

11. Other Attendance

Name	Organization	Attendance
Barbara Alexander	State of Maine Public Advocate	Phone
Kathleen Barron	FERC	In Person
Bill Blevins	NERC	In Person
Bill Boswell	NAESB	In Person
Kathryn Burch	Duke Energy Gas Transmission	In Person
Christopher Burden	Williams Gas Pipeline	In Person
Dolores Chezar	KeySpan	In Person
John Ciza	Southern Company Services	In Person
LaRita Cormier	Riverside Reporting	In Person
Phil Cox	AEP	In Person
Dale Davis	Williams Gas Pipeline	In Person
Rhonda Denton	BP Energy	In Person
Joel Dison	Southern Company	In Person
Andy Dotterweich	Consumers Energy Company	Phone
Mike Gent	Summit Power	In Person
Mark Gracey	Tennessee Gas Pipeline Company	In Person
Bill Griffith	El Paso Natural Gas	In Person
Dona Gussow	Florida Power and Light	Phone
Barry Huddleton	Dynegy	In Person
Laura Kennedy	NAESB	In Person
Iris King	Dominion Transmission	In Person
DeDe Kirby	NAESB	In Person



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Name	Organization	Attendance
Lyn Maddox	Oxadel Consulting	Phone
Marcy McCain	Duke Energy Gas Transmission	In Person
Debbie McKeever	TXU Electric Delivery	In Person
Rae McQuade	NAESB	In Person
Randy Mills	ChevronTexaco	In Person
Susan Munson	ERCOT	In Person
Lou Oberski	Dominion Resource Services, Inc.	In Person
Joelle Ogg	Brunenkant & Cross, LLP	In Person
Marjorie Perlman	Energy East	Phone
Phil Precht	Baltimore Gas and Electric	Phone
Denise Rager	NAESB	In Person
Bob Rosenthal	Pennsylvania Public Utility Commission	Phone
Lisa Simpkins	Constellation Energy Commodities Group	In Person
Jennifer Teel	EC Power	In Person
Veronica Thomason	NAESB	In Person
Kim Van Pelt	Panhandle Eastern Pipe Line	In Person
Dmitry Volkov	University of Texas Center for Energy Economics	In Person
Tommy Weathersbee	TXU Electric Delivery	In Person
Mike Wells	WECC	In Person
Darla Wishart	NAESB	In Person
Charles Yeung	Southwest Power Pool	Phone
Kathy York	Tennessee Valley Authority	In Person
Randy Young	Gulf South Pipeline Company	In Person

NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

TAB 4

BOARD COMMITTEE UPDATES

This section includes:

- Most recent minutes or work papers of each of the following board committees as posted on the web site:
 - Resources (membership analysis, meeting summary, most recent minutes (8-22-06), letter to the Board of Directors on membership (6-1-06) – as background for the discussion)
 - Retail Structure Review (summary of meetings, last set of notes (8-8-06), list of potential projects for 2007 as background for the discussion).
 - ISO/RTO Participation – (summary of recent meeting (8-24-06) with the IRC on participation in NAESB)
 - Managing Committee – (copyright report and action taken by the Managing committee via email for discussion and review)
- The material presented is background information for the discussion of agenda item 2. Depending on the course of the discussion, there may be requests for simple majority votes to endorse a direction to be considered by the WEQ (ISO/RTO Participation) and to endorse the action taken by the Managing Committee.



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August 21, 2006

TO: NAESB Resources committee
FROM: Rae McQuade, NAESB President and COO
RE: Membership Analysis, Vacancies on the Board and EC, Membership Prospects

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) groups, (c) long-term.
(2) New Members in 2006
(3) Member Resignations in 2006
(4) 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	ackerman@wapa.gov
WEQ	Scott Brown, Exelon Corporation	202-347-8096	scott.brown@exeloncorp.com
WEQ	Michael Desselle, Southwest Power Pool	501-614-3206	mddesselle@spp.org
WEQ	Bruce Ellsworth, New York State Reliability Council	603-746-3447	ellsworth@conket.com
WEQ	Mike Grim, TXU Business Services	214-875-9595	mike.grim@txu.com
REQ	Leonard Haynes, Southern Company	404-506-0206	ljhaynes@southernco.com
WGQ	Bill Hebenstreit, El Paso Production Company	713-420-3474	bill.hebenstreit@elpaso.com
REQ	David Koogler, Dominion Virginia Power	804-771-3429	David_koogler@dom.com
RGQ	Mark Maassel, NiSource	219-647-6400	mtmaassel@nisource.com
WEQ	Gloria Ogenyi, Conectiv Energy	302-451-5365	gloria.ogenyi@conectiv.com
WGQ	Joe Stepenovitch	561 371-4722	joestep@bellsouth.net
WGQ	Jim Templeton, Comprehensive Energy Services	713-759-6999	jtemplton@aol.com

Invitations to join the committee have been made to:

- Roy True -- ACES Power
- Ron Mucci -- Williams Power
- Mike Novak -- National Fuel Gas Distribution



North American Energy Standards Board

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Attachment 2a

NAESB Membership Prospects – Short Term, Individual Companies and Organizations

Membership Prospects	Source	Contact/Notes	Assignment
Alcoa	office	Steve Frank, interested in NAESB contract and in membership, letter sent 7-10-06.	D. Rager
Allegheny Energy, Inc. - Allegheny Power	EEI - NERC	Terri Grabiak, possible interest as a WEQ board member. Materials provided 7-20-06. <u>Mr. Brown followed up with them prior to 8/22/06 meeting. Most likely they will join the WEQ Transmission.</u>	S. Brown
California Department of Water	office	Debbie Terzoli, asked for payee data record completion before she can process membership application and remit payment.	D. Rager
Chesapeake Energy	office	James C. "Jim" Johnson, President of Chesapeake Energy Marketing, Inc. Initial contact was Bill Hebenstreit. Letter to Jim should be sent from the office shortly	B. Hebenstreit
<u>Choice Energy Services</u>	<u>M. Novak</u>	<u>David Wiers – part of contact list from M. Novak – office mailed membership package on 9/14/06</u>	<u>Office</u>
<u>Cirro Energy Services</u>	<u>M. Novak</u>	<u>Jeff Nottingham - part of contact list from M. Novak – office mailed membership package on 9/14/06</u>	<u>Office</u>
Connecticut Power and Light	office	Jim Torgerson. Understands NAESB process. Should contact shortly.	R. McQuade
✓ <i>Deseret Power</i>	<i>NRECA</i>	<i>Curt Winterfeld, interested in a WEQ Board seat, has received membership info from the office. Waiting for membership form and payment (invoice sent).</i>	<i>B Lawson</i>
Devon Energy		Bill Green. John Bretz of Anadarko, has offered to follow up.	B. Hebenstreit
E.ON U.S. (LG&E Energy, Kentucky Utilities, Western Kentucky Energy))	office	Daryn Barker, interested in access to NAESB work products, requested information on NAESB membership. Letter sent to Mr. Barker on 7-14-06.	D. Rager
Entessa	office	Marcus Patrnicola, interested in certification, pricing makes it advantageous to be a member.	D. Kirby



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Membership Prospects	Source	Contact/Notes	Assignment
EOG Resources		Mark G. Papa. Letter to Mark should be sent from the office shortly.	B. Hebenstreit
<u>First Choice Power</u>	<u>M. Novak</u>	<u>Jeff Sterba - part of contact list from M. Novak – office mailed membership package on 9/14/06</u>	<u>Office</u>
General Motors	office	Jon Shuh, former GISB Board member, interested in possible membership and Board seat, letter sent 7-10-06	R McQuade
<u>Liberty Power</u>	<u>M. Novak</u>	<u>David Hernandez - part of contact list from M. Novak – office mailed membership package on 9/14/06</u>	<u>Office</u>
Lukens Energy Group, a subsidiary of Black and Veatch	office	Jay Lukens, possible membership, partner with Rich Rudden	R McQuade
<u>Marriott</u>	<u>Office</u>	<u>EJ Hilt, possible membership</u>	<u>D. Kirby</u>
Merrill Lynch	office	Anchalee Do, asked about contract, WGQ, could result in several memberships. Letter sent 7-11-06.	L Kennedy
<u>New Era Energy</u>	<u>Office</u>	<u>Jack Greenhalgh – office sent membership package on 8/30/06</u>	<u>D. Rager</u>
New Jersey Division of the Ratepayer	office	Felicia Thomas-Friel, <u>initial contact was Barbara R. Alexander</u> . Possible interest in membership	D. Rager
Newfield Exploration		David Sills. In March of 2005, their management decided not to join NAESB. The office will send a letter to their CEO, David A. Trice shortly.	B. Hebenstreit
Noble Energy		Robert K. “Bob” Burleson, president of their marketing affiliate, Noble Energy Marketing, Inc. Letter to Bob should be sent from the office shortly.	B. Hebenstreit
NRG Energy	office	Lloyd Will, <u>initial contact was Kevin Burns</u> . He is interested in membership. We have sent a membership packet. He may be interested in a leadership role. <u>Mr. Brown contacted NRG prior to the 8/22/06 meeting. NRG is still interested in membership but no commitment has been made.</u>	R. McQuade



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Attachment 2a

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Membership Prospects	Source	Contact/Notes	Assignment
Power Holdings of Illinois	office	Steve Shaw, Power Holdings of Illinois LLC contacted Denise Rager regarding the gas contract and possible membership or access to standards. Letter sent on 7-12-06.	D. Rager
Public Service of New Mexico	office	David Eubank, Manager of Transmission Contracts and Policy Analysis, is interested and will comment on our OATT Analysis and asked for membership information.	L. Kennedy
Seattle City Light	office	Bill Gaines. <u>Initial contact was Jim Hansen.</u>	R. McQuade
Siemens NewEnergy Associates	office	Bob Usher, <u>Initial contact was Dave Koogler.</u> Possible interest in membership. Material sent.	D. Rager, <u>D. Koogler will follow up on this lead</u>
Structure Group	office	Lisa Blackwood, possible interest in membership, lunch set up with <u>Cade Burk who was initial contact</u>	R. McQuade
Summit Power	office	Mike Gent, possible interest in NAESB membership, letter sent on 7-14-06. <u>Membership package sent by office on 9/14/06</u>	R. McQuade
Targa Resources, Inc.	office	Janet Sullivan, <u>initial contact was Ellen Klecka.</u> Possible interest in membership.	D. Rager
Textron Financial	office	Lisa M. Rubano, called Denise about access to materials and the contract. Possible interest in membership. Letter sent 7-12-06.	D. Rager
Virginia Citizens Consumer Council	office	Irene Leech. <u>Initial contact was Dave Koogler.</u> Possible interest in membership. Material sent.	D. Rager, <u>D. Koogler will follow up on this lead</u>
XTO Energy		Bob R. Simpson, CEO. Letter to Bob should be sent from the office shortly.	B. Hebenstreit



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Attachment 2b

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
Munis and Coops	Resources Committee	J. Ackerman will approach APPA and NRECA about opportunities to speak about NAESB to raise awareness and increase interest in membership. <u>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.</u>	J Ackerman
Western Groups - WECC	Resources Committee	Conference call held with J Ackerman, B Schwermann, M Wells and L Westerfield. Should have opportunity on October 27 to speak to them about NAESB.	S Brown/M Desselle/R. McQuade



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Attachment 2c

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		
Black Hills Corporation - Black Hills Power	EEI		
British Columbia Transmission Corporation	NERC		
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		
LG&E Energy Corporation - Kentucky Utilities Co. - Louisville Gas and Electric Co.	EEI		



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Attachment 2c

NAESB Membership Prospects – Long Term

Membership Prospects	Source	Contact/Notes	Assignment
Manitoba Hydro	NERC		
MDU Resources Group, Inc. - Montana-Dakota Utilities Co.	EEI		
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		
OGE Energy Corporation - OG&E Electric Services	EEI - NERC		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



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Attachment 2c

NAESB Membership Prospects – Long Term

Membership Prospects	Source	Contact/Notes	Assignment
UIL Holdings Corporation - The United Illuminating Company	EEI		
UniSource Energy Corporation - Tucson Electric Power Company	EEI		
Utah Public Service Commission	NERC		
Vectren Corporation - Southern Indiana Gas and Electric Company	EEI		
Vermont Electric Power Company, Inc.	EEI		
Westar Energy Inc.	EEI		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
WGQ	Services	Cheniere LNG Marketing, Inc., Mark Stubbe and Tammy Miller	Stan Horton, new marketing company	February
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
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	Macquarie Cook Energy, LLC, Angela Jones	No reason given at this time	May
WGQ	End User	Mirant Energy Trading, LLC, Laura Trautman and Nicole Daggs	Scott Brown	April
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	Transmission	South Carolina Electric & Gas Company, S. Porcher Stoney	Company participation on the electric side	January
WEQ	Marketer	SUEZ Energy Marketing NA, Inc., Ken Lackey/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

** Membership dues not yet received.



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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	End User	Boeing Company, Steve LaFond	Consolidating multiple memberships	February
WEQ	Generation	Calpine Corporation, William Taylor/Jim Stanton	Shifting Priorities	May
WGQ	End User	Cinergy – regulated, John Procario	Company merger with Duke	March
WEQ	End User	Cinergy, John Procario	Company merger with Duke	March
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	End User	Minneapolis Consulting Group, Mike Pritchett	Shifting Priorities	July
WEQ	Generation	Oglethorpe Power Corporation, Billy Ussery	Shifting Priorities	June
WGQ	Services	Oxadel Consulting, LLC, Lyn Maddox	Changing positions	May
WGQ	Services	Pemex Gas Y Petroquimica Basica, Juan Enrique Gonzales Azuara	Accounting reorganization	June
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
RGQ	Services	SunGard EnForm Consulting, David F. Pfeifer	Contact left, company not interested in renewing.	March



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Attachment 5

North American Energy Standards Board
 Vacancies on the Board and Executive Committee as of July 31, 2006

Vacant Seats	Quadrant	Seat	Segment	Subsegment
11	Retail Electric	Board (7)	End User (3)	
			Service Providers (2)	
			Supplier (2)	
		Executive Committee (4)	End User (3)	
			Supplier (1)	
33	Retail Gas	Board (16)	Distribution (2)	
			End User (6)	
			Service Providers (3)	
			Suppliers (5)	
		Executive Committee (17)	Distribution (3)	
			End User (6)	
			Service Providers (5)	
			Suppliers (3)	
17	Wholesale Electric	Board (7)	Distribution/LSE (2)	Other (1)
				Competitive Retailer (1)
			End User (2)	Commercial/Residential (1)
				Investor Owned Utility (In other segments) (1)
			Generation (1)	Muni/Coop
			Marketer/Broker (1)	Non-Investor Owned Utility
			Transmission (1)	Independent Transmission Company
		Executive Committee (10)	Distribution/LSE (1)	Competitive Retailer
			End User (4)	Large Industrial (1)
				End Use – Self Generation (1)
				Commercial/Residential (1)
				End Use (In other segments) (1)
			Generation (2)	Merchant (1)
				At Large (1)
			Marketer/Broker (2)	Not IOU Affiliated(1)
				At Large (1)
			Transmission (1)	Independent Transmission Company (1)
4	Wholesale Gas	Board	End User (2)	
			Services (2)	



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Attachment 6

North American Energy Standards Board Membership as of July 31, 2006

Company	Quadrant	Segment	Contacts
8760	WGQ	s	Jim Buccigross
ACES Power Marketing LLC	WEQ	m	Roy J. True
American Electric Power Service Corp.	WGQ	s	Cathy Szasz
AGL Resources Inc.	RGQ	d	Katrina Bond
Alabama Electric Cooperative, Inc.	WEQ	d	William Ronald Graham
Alabama Power	REQ	d	Judy W. Ray, Yvette Camp
Alliance Pipeline LP	WGQ	pl	Neil Coghlan
Ameren Corporation	WGQ	l	Scott Glaeser
Ameren Services	WEQ	m	Shawn Schukar
Ameren Services Company	REQ	d	Patrick Eynon
American Electric Power Service Corp.	WEQ	m	Barbara Radous, Joseph Hartsoe, Phil Cox
American Electric Power Service Corp.	WEQ	t	John Stough
American Municipal Power - Ohio, Inc.	WEQ	d	Pat Frazier, Chris Norton
American Public Power Association	WEQ	d	Allen Mosher
American Transmission Company LLC	WEQ	t	Julie Voeck
Anadarko Energy Services Company	WGQ	s	John Bretz, Steve Abbey
Apache Corporation	WGQ	pr	Kelley Powell
Aquila, Inc.	WEQ	g	Tom Saitta
Arizona Public Service Company	WEQ	t	Mark W. Hackney
Arizona Public Service Company	WGQ	e	Gary Duede, Kelly Daly, Curt Brechtel
Atmos Energy	WGQ	pl	Steve Easley
Ballard Natural Gas, LLC	WGQ	s	Susan Thibodeaux
Baltimore Gas & Electric Co.	REQ	d	Ruth Kiselewich
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	t	Dan Klempel
Basin Electric Power Cooperative	WEQ	m	David Raatz
Basin Electric Power Cooperative	WEQ	g	Jason Doerr
BG LNG Services, LLC	WGQ	s	Martha Braddy
Boeing Company	WGQ	e	Tina Burnett



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North American Energy Standards Board Membership as of July 31, 2006

Company	Quadrant	Segment	Contacts
Bonneville Power Administration	WEQ	d	Sydney D. Berwager
Bonneville Power Administration	WEQ	g	Fran Halpin
Bonneville Power Administration	WEQ	m	Brenda Anderson
Bonneville Power Administration	WEQ	t	Barbara Rehman
BP Energy	WGQ	pr	Bill Benham, Lauren Kaestner
BP Energy Company	WEQ	m	Jeanne Zaiontz
Bridgeline Gas Marketing	WGQ	pl	Georgia Blanchard
Burlington Resources	WGQ	pr	Paul Keeler
Calpine Energy Services, LP	REQ	su	Margarida Williamson
Calpine Energy Services, LP	WGQ	e	Janet Dixon, Craig Chancellor
Cargill Incorporated	WGQ	s	Kathy Gerken
Cascade Natural Gas Corporation	WGQ	l	Mark Sellers-Vaughn
Center Point Energy Minnegasco	RGQ	su	Andrea Newman
CenterPoint Energy Gas Services, Inc.	WGQ	s	James G. Beste
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
Cheniere LNG Marketing, Inc.	WGQ	s	Mark Stubbe, Tammy Miller
Chevron/Texaco	WGQ	pr	Randy Mills
ChevronTexaco Energy Research and Technology	WEQ	e	Carol Guthrie
Cimarex Energy Co	WGQ	pr	Charlotte Baker
Cinergy	WGQ	e	Marty Patterson
Cinergy Marketing and Trading	WGQ	s	Maribeth Bedevian
Cinergy Services, Inc.	REQ	d	Paul K. Jett
Cleco Power, LLC	WEQ	t	Keith Comeaux
Columbia Gas Transmission	WGQ	pl	Carl Levander
Commerce Energy Group	RGQ	s	Greg Lander
Comprehensive Energy Services	WEQ	e	Jim Templeton
Comprehensive Energy Services	WGQ	e	Jim Templeton
Conectiv Energy Supply, Inc.	WEQ	g	Gloria Ogenyi, Paul Dwyer
Conectiv Energy Supply, Inc.	WEQ	m	Gloria Ogenyi, Paul Dwyer
ConocoPhillips Gas and Power	WGQ	pr	Peter Frost



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Company	Quadrant	Segment	Contacts
Consolidated Edison Company of NY	REQ	d	Hollis Krieger
Consolidated Edison Company of NY	WGQ	l	Mary Jane McCartney, Jim Stanzione
Consolidated Edison Company of NY, Inc.	WEQ	t	Scott Butler
Constellation Energy Commodities Group, Inc.	WGQ	s	Robert McKay
Constellation Generation Group	WEQ	g	Michael Gildea
Constellation NewEnergy, Inc.	REQ	su	Sara O'Neill, Peter Kelly-Detwiler, Janson Pollock
Consumers Energy Company	WEQ	d	Andrew C. Dotterweich, Frank Johnson
Consumers Energy Company	WEQ	g	Steven L. Gaarde, Andrew C. Dotterweich, John J. Dellas
Dairyland Power Cooperative	WEQ	t	Chuck Callies
Dauphin Island Gathering Partners	WGQ	pl	Katie Rice
Defense Energy Support Center	REQ	e	Lisa Robert
Defense Energy Support Center	WGQ	e	Veronica Jones, Kevin Ahern
Department of Energy	WGQ	e	Christopher Freitas
Department of the Interior, Bureau of Reclamation	WEQ	g	Deborah M. Linke
Deseret Generation & Transmission Co-operative	WEQ	g	Curtis Winterfeld
Direct Energy Business Services	REQ	su	David Booty
Dominion Energy Marketing, Inc.	WEQ	g	Lou Oberski
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 Company	WGQ	s	Miki Kolobara
Duke Energy Americas, LLC (DEA)	WEQ	g	Walt Yeager,
Duke Energy Americas, LLC (DEA)	WEQ	m	Walt Yeager
Duke Energy Corp.	WEQ	d	Ollie Frazier
Duke Energy Gas Transmission - Texas Eastern	WGQ	pl	Richard Kruse
Duke Energy Gas Transmission, LLP	RGQ	su	Richard Kruse, Marcy L. McCain
Dynegy Power Marketing, Inc.	WEQ	g	Barry Huddleston
EC Power International	REQ	s	Judy Bailey, J. Cade Burks, Jennifer Teel



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North American Energy Standards Board Membership as of July 31, 2006

Company	Quadrant	Segment	Contacts
Edison Electric Institute	WEQ	n	David Owens, Dave Dworzak
Edison Mission Marketing & Trade, Inc.	WEQ	g	William Roberts
El Paso Natural Gas	WGQ	pl	William Griffith
El Paso Exploration & Production Company	WGQ	pr	Bill Hebenstreit
Electric Reliability Council of Texas (ERCOT)	REQ	s	Sam R. Jones, Rob Connell, Ray Giuliani
Electric Reliability Council of Texas (ERCOT)	WEQ	n	Sam R. Jones, Ray Giuliani
ElectriCities of North Carolina	WEQ	g	Gregory Locke
Electricity Consumers Resource Council (ELCON)	WEQ	e	John Anderson, John Hughes
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	Marjorie Perlman
Energy East Management Corporation	WGQ	l	Marjorie Perlman
Energy Services Group, Inc.	RGQ	s	George Behr
Entergy Services, Inc.	WEQ	t	Edward J. Davis
Entergy Services, Inc.	WGQ	e	Arlynn Kelleher, Terry Shields
Enterprise Products Partners, LP	WGQ	pl	Richard W. Porter
Equitable Gas Company	WGQ	l	Steve Rafferty
Equitrans, L.P.	WGQ	pl	Mina Speicher
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 Marketing	WEQ	e	Steve Sayuk, Mark Scheel, Mark Ulrich
ExxonMobil Gas Marketing	WGQ	pr	Richard Smith
FirstEnergy Solutions Corp.	WEQ	m	Edward C. Stein
Florida Municipal Power Agency	WEQ	g	Robert C. Williams
Florida Municipal Power Agency	WEQ	d	Steven H. McElhaney
Florida Power & Light Company	WEQ	m	Gerry Yupp, Raleigh Nobles
Florida Power & Light Company	WEQ	t	Marty Mennes
Florida Power & Light Company	WGQ	e	Dona Gussow
Florida Reliability Coordinating Council	WEQ	t	Linda D. Campbell



North American Energy Standards Board

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North American Energy Standards Board Membership as of July 31, 2006

Company	Quadrant	Segment	Contacts
Florida Reliability Coordinating Council	WGQ	e	Joe Stepenovitch
Gas Transmission Northwest Corporation	WGQ	pl	Jay Story
Georgia Transmission Corporation	WEQ	t	Patrick McGovern
Great Lakes Gas Transmission	WGQ	pl	Gene Fava
Group 8760	WGQ	s	Jim Buccigross
Gulf Power Company	REQ	d	Joel Thomas Kilgore, Yvette Camp
Gulf South Pipeline	WGQ	pl	Randy Young
H S Resources Inc.	WGQ	pl	Carol Hall
Hydro One Networks	WEQ	t	Mark Graham
Hydro - Quebec Transenergie	WEQ	t	Victor Bissonnette
Idaho Power Company	WEQ	t	Tessia Park
Imperial Irrigation District	WGQ	e	William Rapp
Imperial Irrigation District	WEQ	m	Kim M. Kiener, Frank M. Barbera
Imperial Irrigation District	WEQ	t	Juan Carlos Sandoval, Javier Esparza
Indiana Muncipal Power Agency	WEQ	g	Dick Foltz
Indiana Office of Utility Consumer Counselor	RGQ	e	Matthew Parsell
International LNG Alliance	RGQ	s	David Sweet
Interstate Gas Supply	RGQ	su	Elizabeth Clothier
ITC Transmission	WEQ	t	Jim D. Cyrulewski
Iroquois Gas Transmission System	WGQ	pl	Tom Gwilliam
Kern River Gas Transmission Company	WGQ	pl	Brenda Horton
Kerr-McGee Oil and Gas Company	WGQ	pr	Charles (Chuck) Johnson
KeySpan Energy	WGQ	l	Dolores Chezar
Laclede Gas Co.	WGQ	l	Kenneth Neises
Latitude Technologies	RGQ	s	Leigh Spangler
Latitude Technologies	WGQ	s	Leigh Spangler
Louis Dreyfus Energy Services L.P.	WGQ	s	Mary Ellen Bell, Ruby Melton
Lower Colorado River Authority	WGQ	e	Mickey Bell
Macquarie Cook Energy, LLC	WGQ	s	Angela Jones
Marathon Oil Company	WGQ	pr	Robin Perrine
Maryland People's Council	WEQ	e	Mike Tomczak
Mewbourne Oil Company	WGQ	pr	Michael F. Shepard
Michigan Electric Transmission Company LLC	WEQ	t	Charles V. Waits



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Company	Quadrant	Segment	Contacts
Michigan Public Power Agency	WEQ	d	James R. Nickel, Daniel E. Cooper
MidAmerican Energy	REQ	d	James E. Wilson
Midwest Independent Transmission System Operator	WEQ	n	Bill Phillips
Mirant Energy Trading, LOC	WGQ	e	Laura Trautman, Nicole Daggs
Mississippi Power Company	REQ	d	Dorman Davis, Yvette Camp
Missouri River Energy Services	WEQ	d	Brian Zavesky
Modesto Irrigation District	WEQ	t	Roge 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 USA	WEQ	t	Herbert Schrayshuen, Peter Flynn, Mary Ellen Paravalos
National Rural Electric Cooperative Assoc.	WEQ	d	Barry Lawson
Natural Gas Pipeline Co of America	WGQ	pl	Paul Love
Navigant Consulting, Inc.	WEQ	m	Richard G. Smead
New Jersey Natural Gas Company	WGQ	l	Douglas C. Rudd
New York State Dept. of Public Service	WEQ	e	William Heinrich
New York State Reliability Council	WEQ	d	P. Donald Raymond
Niagara Mohawk	RGQ	d	James Dillon
Niagara Mohawk Power Corporation	WGQ	l	Bruce Garcy
Nicor Gas	WGQ	l	Mary Wolosek, Shirley Holmes
NiSource Inc.	WGQ	l	George Simmons
NJR Energy Services Company	WGQ	s	Ginger Richman
North American Electric Reliability Council (NERC)	WEQ	d	Gerry Cauley, Bill Blevins
North Carolina Electric Membership Corporation	WEQ	d	David Beam
North Carolina Electric Municipal Power Agency #1	WEQ	m	Clay A. Norris
North Carolina Electric Municipal Power Agency #1	WEQ	d	Andrew Fusco
Northeast Utilities Service Company	WEQ	t	David Boguslawski, Calvin A. Bowie
Northern Indiana Public Service Company (NiSource)	RGQ	d	Mark T. Maassel
Northern Natural Gas	WGQ	pl	Mary Darveaux
Northwest Natural Gas Company	WGQ	l	Randolph Friedman
NOVA Gas Transmission Ltd.	WGQ	pl	Doug Miller



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Company	Quadrant	Segment	Contacts
Occidental Energy Marketing Inc. (OEMI)	WGQ	pr	Melinda Duncan
Office of Public Advocate, State of Maine	REQ	e	Barbara Alexander
Ohio Consumers Council	REQ	e	Randy Corbin
Ohio Consumers Council	RGQ	e	Bruce M. Hayes
Ohio Consumers Council	WEQ	e	Randy Corbin
ONEOK	WGQ	l	Patricia Anderson
ONEOK Partners GP, LLC	WGQ	pl	Scott Coburn
Ontario Power Generation	WEQ	g	Barry Green
Ontario Power Generation	WEQ	m	Renzo Marcuzzi
Open Access Technology International, Inc.	WEQ	e	Kevin Burns
Open Access Technology International, Inc.	WEQ	t	Paul R. Sorenson
Otter Tail Power Company	WEQ	t	Daryl Hanson, Larry Larson
Pacific Gas & Electric	WGQ	l	John Breen
PacifiCorp	WEQ	m	Edison G. Elizeh
PacifiCorp	WEQ	g	Greg Maxfield
PacifiCorp	WEQ	t	Jim Hicks, Mark Maher
Panhandle Eastern Pipe Line Co.	WGQ	pl	William Grygar, Kim Van Pelt
PECO Energy Co.	WGQ	l	Reed R. Horting, Amy Hamilton
Pennsylvania Office Of Consumer Advocate	REQ	e	Tanya J. McCloskey, Sonny A. Popowsky
Pennsylvania Office of Consumer Advocate	RGQ	e	Tanya J. McCloskey, Stephen Keene
Peoples Gas Light & Coke Co.	WGQ	l	Tom Zack
Peoples Gas System	RGQ	d	Rachel Gebhardt
PHI Power Delivery	WEQ	t	Ken Gates
Philadelphia Gas Works	RGQ	d	Craig White, Joe Stengel
Platte River Power Authority	WEQ	t	Terry L. Baker
Platts	WGQ	s	Bill Murphy
Portland General Electric	WGQ	pl	Kathy Davies
Portland General Electric	WEQ	m	Terri Peschka
Portland Natural Gas Transmission System	WGQ	pl	David Haag
Powerex Corp.	WGQ	s	Sharole Tylor
Powerex Corp.	WEQ	m	Michael L. McWilliams
PPL Electric Utilities Corporation	WEQ	t	Ray Mammarella
PPL EnergyPlus, LLC	WGQ	e	Anne Lovett



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Company	Quadrant	Segment	Contacts
PPL Solutions, LLC	REQ	s	James M. Minneman
Progress Energy	WEQ	t	Verne Ingersoll, 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 Service Electric & Gas	REQ	d	Terrence Moran
Public Service Electric & Gas	WGQ	l	David Wohlfarth
Public Service Electric & Gas Company	RGQ	d	Terrance Moran
Public Service Electric and Gas Company	WEQ	d	Colin J. Loxley
Public Service Electric and Gas Company	WEQ	t	Jeffrey C. Mueller
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	Mark Davis
Sabine Pipe Line LLC	WGQ	pl	Jan Rogers
Sacramento Municipal Utility District	WEQ	d	Robert D. Schwermann
Sacramento Municipal Utility District	WEQ	g	Thomas Ingwers
Salt River Project Agricultural Improvement & Power District	WGQ	e	Diane McVicker
Salt River Project Agricultural Improvement and Power District	WEQ	d	Wendy Weathers, Mark B. Bonsall
Salt River Project Agricultural Improvement and Power District	WEQ	t	Steve Cobb
SCANA Corporation	WGQ	pl	Jacquelyn Gettle
Seminole Electric Cooperative, Inc.	WEQ	m	Lane Mahaffey
Sempra Energy - Southern California Gas Co.	WGQ	l	Lee Stewart, Rodger Schwecke
Sequent Energy Management, L.P.	WGQ	s	Pat Metteauer
SolArc Inc.	WGQ	s	Tim Curtis
South Carolina Electric & Gas Company	WEQ	t	S. Porcher Stoney
Southeastern Power Administration	WEQ	g	Bob Goss
Southern California Edison	WEQ	t	Weston Williams
Southern California Edison Company	WGQ	e	Roman Bakke
Southern California Edison Company	WEQ	g	Thomas Watson
Southern Company Services	REQ	s	Mark S. Jarrett, Yvette Camp



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Company	Quadrant	Segment	Contacts
Southern Company Services, Inc.	WGQ	e	Alan Kilpatrick
Southern Company Services, Inc.	WEQ	d	Gary Rozier, Mark Crosswhite, 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
Southern Natural Gas Co.	WGQ	pl	Renee Hyde, Tracey Nicholson
Southern Star Central Gas Pipeline	WGQ	pl	James L. Harder, Dale Sanders
Southwest Gas Corporation	WGQ	l	Larry Black
Southwest Power Pool	WEQ	n	Carl Monroe
Southwest Transmission Cooperative, Inc.	WEQ	t	Larry D. Huff
Southwestern Power Administration	WEQ	t	Stanley L. Mason
Sprague Energy Corp.	RGQ	su	Kathy Fudali
Structure Group	REQ	s	Stacey Wood
SUEZ Energy Marketing NA, Inc.	WEQ	m	Ken Lackey, Cesar Seymour
Sunflower Electric Power Corporation	WEQ	t	L. Earl Watkins
SunGard	WGQ	s	Deborah Feliciano, Lucia Nail
Systrends USA	RGQ	s	Dave Darnell
Telvent	WGQ	s	William (Bill) Morrow
Tenaska, Inc.	WEQ	g	Scott Helyer
Tennessee Gas Pipeline Company	WGQ	pl	Larry Smith, Mark Gracey
Tennessee Valley Authority	WEQ	d	Cindy Herron
Tennessee Valley Authority	WEQ	g	Kathy York
Tennessee Valley Authority	WEQ	m	Clyde Harmon
Tennessee Valley Authority	WEQ	t	Mitchell Needham, W. Terry Boston
Tennessee Valley Authority	WGQ	e	Valerie Crockett
Texas Gas Transmission, LLC	WGQ	pl	Jeff Bittel
Tiger Natural Gas	WGQ	s	Bob Smith
TransCanada Pipelines	WGQ	pl	Doug Miller
TRANS-ELECT, INC.	WEQ	t	Paul D. McCoy
Trinity Apex Systems	WGQ	s	Richard (Dick) Couron
Tri-State Generation and Transmission Association, Inc.	WEQ	t	Bruce Sembrick
TXU Electric Delivery	REQ	d	Tommy Weathersbee, Debbie McKeever



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Company	Quadrant	Segment	Contacts
TXU Electric Delivery	WEQ	t	Ellis Rankin, Debbie McKeever
TXU Energy	WEQ	m	Elizabeth Howland, Mike Grim
TXU Energy Retail	REQ	su	Felecia Lokey
UBS Energy	RGQ	su	Suzanne Calcagno
UBS Energy	WEQ	m	Suzanne Calcagno
UBS Energy	WGQ	s	Suzanne Calcagno
UGI Utilities, Inc.	RGQ	d	Paul Szykman
Union Gas	RGQ	d	Greg Tetreault
Vector Pipeline L.P.	WGQ	pl	Amy Bruhn
Vermont Public Power Supply Authority	WEQ	g	William J. Gallagher
Wal-Mart Stores, Inc.	REQ	e	Angela Beehler
Washington Gas Light Co.	WGQ	l	Adrian Chapman , Ken Yagelski
We Energies	WEQ	d	Linda Horn
We Energies	WEQ	g	James R. Keller
Western Area Power Administration	WEQ	t	Mark Fidrych
Western Area Power Administration	WEQ	m	Jeffrey Ackerman
Western Electricity Coordinating Council	WEQ	g	Michael L. Wells, Louise McCarren
Westfield Gas & Electric Light Dept.	WGQ	l	Joyce Bodak
Williams Gas Pipeline	WGQ	pl	Dale Davis, Ron Mucci
Williams Power Company	WEQ	g	Ron Mucci
Williston Basin Interstate Pipeline	WGQ	pl	Keith Tiggelaar
Wisconsin Public Power Inc.	WEQ	d	Mike Stuart
Wisconsin Public Service Corporation	REQ	d	William L. Bourbonnais, Les Nishida, Ken Thiry
Wisconsin Public Service Corporation	RGQ	d	William Bourbonnais, Glen R. Schwalbach, Les Nishida
Wisconsin Public Service Corporation	WEQ	g	William Bourbonnais, Charles W. Severance, Neal Balu
Wisconsin Public Service Corporation	WGQ	l	Ronald G. Mosnik
Xcel Energy	RGQ	d	Don Basler
Xcel Energy Inc.	WEQ	m	Steven J. Beuning



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NAESB BOARD OF DIRECTORS MEETING MATERIALS RESOURCES COMMITTEE SUMMARY SEPTEMBER 14, 2006

RESOURCES COMMITTEE MEETING SUMMARY FOR 2006

- The Resources Committee, chaired by Mr. Brown, was formed to evaluate and increase the resources available to NAESB for standards drafting activities. Its efforts have focused on increasing the number and diversity of the membership.
- Since its inception in September 2004, the Resources Committee has contributed to the addition of 39 new members as of Jan. 31, 2006. However, the resignation of 31 members during that period has dampened the impact of these efforts. The Resources Committee has also seen the addition of 4 subscriptions to Home Page Access. Current efforts are targeting members of the end-users segments and managing a board-member referral program.
- **March 7, 2006:** The Resources call was cancelled at the chair's request. The next call should be scheduled in April.
- **April 18, 2006:** The Resources Committee met via conference call to discuss status towards 2006 goals. The Committee's progress since the last conference call was a net 6 new members. The group reviewed the Board and EC Vacancies Report and assigned several action items in an attempt to fill current vacancies on the Board and EC. At the request of the chair Ms. Ogenyi and vice-chair Mr. Brown the NAESB office will draft a new assignment list for follow up phone calls. Outreach efforts of the Board Resources Committee and Retail Structure Review Committee were discussed.
- **May 23, 2006:** The Resources Committee met to review action items assigned during the April 18th call related to the Board and EC vacancies chart. The Resources Committee also discussed the work of the committee members on several action items including an outreach to NRECA and ELCON for potential members.
- **June 22, 2006:** The Resources Committee met prior to the NAESB Board meeting and identified several potential candidates for membership. They also agreed to move forward with a quarterly notice to all members, the focus of which is the benefits achieved by holding NAESB membership. The meeting was scheduled from 8:00 am to 9:00 AM in San Antonio, Texas at the Marriott RiverWalk Hotel.
- **June 26, 2006:** Rae McQuade and Scott Brown met with WECC leadership (Mike Wells, Bob Schwermann, LouAnn Westerfield) to discuss how best to inform WECC membership of NAESB activities – the goal of which is to encourage NAESB participation, which may lead to NAESB membership. We will be meeting with WECC in October.
- **August 22, 2006:** The Resources Committee met to review action items taken during the June 22, 2006 meeting related to outreach efforts for NAESB membership. The Committee asked that the Board and EC vacancies chart be updated to include those seats that are up for election in December 2006. Several updates were made on contacts for membership that had been approached by Committee members and/or to which the NAESB office had submitted membership letters.
- **Planned, September 21, 2006:** The Resources Committee will meet prior to the NAESB Board meeting to discuss action items taken during the June 22nd and August 22nd meeting. Those action items include a summary of the copyright policy to be included in membership letters, a summary of NAESB achievements to be included with membership invoices, and an update on action items taken to contact potential NAESB members.



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via email

TO: NAESB Resources Committee, Managing Committee, and Retail Structure Review Committee (RSRC) Members; and Posting for Interested Parties

FROM: Denise Rager, NAESB Meeting and Membership Administrator and DeDe Kirby, NAESB Meeting Project Manager

RE: Notes from Resources Committee Conference Call Meeting on August 22, 2006

DATE: August 22, 2006

Dear Resources Committee, RSRC, and Managing Committee Members,

A Resources Committee conference call meeting was held on August 22, 2006. The following notes and assignments resulted from the meeting.

Resources Committee:

Tuesday, August 22, 2006

- | | |
|---|--|
| Administrative: | <ul style="list-style-type: none"> • Ms. Kirby reviewed the anti-trust guidelines and took roll-call. The draft agenda was adopted by consensus. |
| Status Towards 2006 Goal: | <ul style="list-style-type: none"> • The Committee's progress since the last conference call was at net 5 new members.
 New members, 49; Home page access, 6; Resignations, 43; Progress = Net 6 <ul style="list-style-type: none"> • New members since last call [4]: <ul style="list-style-type: none"> ○ Deseret Generation & Transmission Co-operative (WEQ, Generation, Muni/Coop) ○ Pemex Gas Y Petroquimica Basica (WGQ, Services) • Subscriptions to Home Page Access since last call [1]. <ul style="list-style-type: none"> ○ CenterPoint Energy • Resignations since last call [4]: <ul style="list-style-type: none"> ○ Minneapolis Consulting Group (WEQ, End User, End User) ○ Results of exit interviews <ul style="list-style-type: none"> • Mr. Brown asked that Mr. Anderson be informed of the resignation of Minneapolis Consulting Group. |
| Review of Membership Analysis Report and Resulting Action Items, Updates on Action Items Taken During the June 22, 2006 Meeting | <ul style="list-style-type: none"> • The Committee reviewed <u>Membership Analysis, Vacancies on the Board and EC, Membership Prospects</u>. Ms. McQuade and Ms. Rager drafted the report to show potential leads for membership, both in the short and long term. In addition, the report notes current vacancies in the NAESB Board and EC, as well as membership resignations. Mr. Brown asked that an additional report be drafted to show Board and EC vacancies that were due for elections in December 2006. Members of the Committee noted that this would be a useful tool in promoting NAESB membership. • Several updates were given in reference to contacts made with potential new members. Those items are noted in the updated Membership Analysis Report attached to these notes. New leads on membership include Marriott Hotels. The item was added to the report. Mr. Brown |



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asked that follow up phone calls be made to those potential new members that letters had been sent to. Mr. True noted that LG&E should be struck from the long term list because the entity was a duplicate name for E. ON U.S. that is included in the short term list.

- The Committee asked that the NAESB office complete a chart of those Board and EC seats that are up for re-election or that will become vacant in December of 2006.
- Mr. Hebenstreit noted that the letter to be sent to Merrill Lynch regarding NAESB membership should contain information on copyright protection of NASEB contracts and legal use of the contracts. He added that this type of letter should also be sent to Trade Associations and other potential WGQ members. Mr. Hebenstreit will provide a list of WGQ contacts to the NAESB office. Mr. Brown stated that language on copyrights should be reviewed with Mr. Boswell. Mr. Brown took an action item to discuss this with Mr. Boswell. In addition, the Committee asked that Mr. Stepenovitch be informed of such letters to potential WGQ members.
- As a related item not assigned by the Committee, Ms. Kirby noted that she had taken an action item in the NAESB office to draft a letter to law firms in the Houston area that work in the area of Oil, Gas, and Energy concerning the NAESB class on contracts and the legal use of them. Ms. Kirby will review her letter with Ms. McQuade once drafted.
- Mr. Brown noted that he would talk with Mr. Anderson concerning End User memberships in NAESB.
- Mr. Hebenstreit asked that the NAESB office discuss sending out an invoice to non-members to increase awareness of the benefits and affordability of NAESB membership.
- Mr. True asked for an update on the quarterly report to be sent out with NAESB membership invoices. No update was provided at this time. Mr. Brown asked that Ms. McQuade and Mr. Bourbonnais prepare a draft of the one page report for the September meeting. (Idea discussed at June 22, 2006 meeting.)
- Mr. Hebenstreit will follow up with NAESB members that are consulting firms concerning a cost/benefit study on NAESB membership. (Idea discussed at June 22, 2006 meeting.)
- Mr. Ackerman stated that Ms. McQuade and other members of NAESB leadership would be attending the next WECC Market Interface Committee (October 26, 2006) to give a brief talk on NAESB and membership in the organization. Mr. Ackerman noted that many of the Transmission and Generation entities in the West would be at this meeting and he hoped to generate interest in NAESB membership.
- Mr. True noted that he had provided Ms. McQuade with a calendar of APPA events and was trying to get NAESB on the agenda for one of the upcoming APPA meetings. He will provide Ms. McQuade with an updated calendar. Mr. Brown asked that the Committee be informed of Ms. McQuade's progress in talks with APPA.



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- Action items removed from Committee's list: • Mr. Brown asked that "Access to U.S. Energy Marketers and Retailers" be struck for the list of Committee action items. Mr. Haynes noted that this was an item for the REQ and RGQ leadership.
- Meeting on ISO/RTO Participation • Mr. Brown stated that NAESB had a meeting with ISO/RTO leadership on August 24th to discuss membership options for the ISO/RTOs. He noted that the list of Board and EC vacancies could be revised as a result of this meeting.
- Other Business: • The next scheduled conference call for the Board Resources Committee is September 21st, immediately prior to the NAESB Board meeting.
- Adjournment • The meeting adjourned by consensus at 2:00 PM Central Time.

Attendance:

Name:		Organization:	Named Member:
Jeffrey	Ackerman	Western Area Power Admin.	Yes
Yvette	Camp	Southern Company Services	
Scott	Brown	Exelon Corporation	Yes, Chair
Christopher	Burden	Williams Gas	
Leonard	Haynes	Southern Company	Yes
DeDe	Kirby	NAESB	
David	Koogler	Dominion Virginia Power	Yes
Bill	Hebenstreit	El Paso Exploration & Power	Yes
Marjorie	Perlman	Energy East	
Roy	True	ACES Power	Yes

Upcoming Conference Calls and Meetings:

- September 21, immediately prior to the NAESB Board meeting.
- October 24, at 1:00pm Central (2:00pm Eastern)
- November 21, at 1:00pm Central (2:00pm Eastern)



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June 1, 2006

TO: NAESB Board of Directors
FROM: Rae McQuade, NAESB President and COO
RE: New Membership Analysis

via email

Dear NAESB Board Members:

At our March Board of Directors meeting, we noted that a report of new members would be sent to the Board members as well as the existing membership in NAESB. The Resources Committee has asked for your assistance in approaching your colleagues that are not members in NAESB, but may have interest in joining our organization. Our office can forward NAESB information to them on the benefits of membership, including opportunities for seats on either the Board or Executive Committee. A report will be given at the upcoming Board meeting on June 22 and may also be discussed at both the WEQ and retail quadrant leadership meetings on June 21.

Please let us know if you need any assistance or any further information. We have attached several reports that may be helpful in determining which of your colleagues currently are not members of NAESB. We truly appreciate your efforts in helping grow our organization --

Best Regards,

Rae

cc: NAESB Resources Committee

Meeting Note: The Resources Committee will be meeting from 8:00 am to 9:00 am directly prior to the Board meeting on June 22. If any of you are interested in joining the Resources Committee, the committee would appreciate your efforts. Feel free to attend that meeting if your schedule permits.

Enclosures: (1) Resources Committee Roster
(2) New Members in 2006
(3) Vacancies on the Board and Executive Committee
(4) Membership Roster Sorted by Company



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North American Energy Standards Board Board Resources Committee Roster

Quadrant	Contact and Company	Phone	Email
WEQ	Scott Brown, Exelon Corporation	202-347-8096	scott.brown@exeloncorp.com
WEQ	Michael Desselle, American Electric Power	214-777-1083	mddesselle@aep.com
WEQ	Mike Grim, TXU Business Services	214-875-9595	mike.grim@txu.com
REQ	Leonard Haynes, Southern Company	404-506-0206	ljhaynes@southernco.com
WGQ	Bill Hebenstreit, El Paso Production Company	713-420-3474	bill.hebenstreit@elpaso.com
RGQ	Mark Maassel, NiSource	219-647-6400	mtmaassel@nisource.com
WEQ	Gloria Ogenyi, Conectiv Energy	302-451-5365	gloria.ogenyi@conectiv.com
WGQ	Joe Stepenovitch	813-289-5644	joestep@frc.com
WGQ	Jim Templeton, Comprehensive Energy Services	713-759-6999	jtemplton@aol.com



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North American Energy Standards Board New Members since January 2006

Quadrant	Segment	Contact and Company	Reason Joined	Month Joined
WEQ	Transmission	S. Porcher Stoney, South Carolina Electric & Gas Company	Company participation on the electric side	January
WEQ	Marketer	Ken Lackey/Cesar Seymour, SUEZ Energy Marketing NA, Inc.	Company needed access to documents	February
WEQ	Transmission	Mark Graham, Hydro One Networks	No reason given at this time	April
WEQ	Marketer	Michael L. McWilliams, Powerex Corp.	Access to Standards, Models and Contracts	May **
REQ	Distribution	Tommy Weathersbee/Debbie McKeever, TXU Electric Delivery	ERCOT references of NAESB and Debbie McKeever	January
RGQ	Supplier	Elizabeth Clothier, Interstate Gas Supply	Company participation on the gas side	May **
WGQ	Services	Mark Stubbe/Tammy Miller, Cheniere LNG Marketing, Inc.	Stan Horton, new marketing company	February
WGQ	End User	Laura Trautman/Nicole Daggs, Mirant Energy Trading, LLC	Scott Brown	April
WGQ	Services	Angela Jones, Macquarie Cook Energy, LOC	No reason given at this time	May
WGQ	Services	Patricia Anderson, ONEOK	Company participation on the gas side	May
WGQ	Services	Miki Kolobara, DTE Energy Trading, Inc.	Company participation on the gas side	May **

** Membership dues not yet received.



North American Energy Standards Board

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North American Energy Standards Board Vacancies on the Board and Executive Committee as of May 31, 2006

Vacant Seats	Quadrant	Seat	Segment	Subsegment
11	Retail Electric	Board (7)	End User (3)	
			Service Providers (2)	
		Supplier (2)		
		Executive Committee (4)	End User (3)	
			Supplier (1)	
34	Retail Gas	Board (17)	Distribution (3)	
			End User (6)	
			Service Providers (3)	
			Suppliers (5)	
		Executive Committee (17)	Distribution (3)	
		End User (6)		
		Service Providers (5)		
		Suppliers (3)		
18	Wholesale Electric	Board (7)	Distribution/LSE (2)	Other (1)
				Competitive Retailer (1)
			End User (2)	Commercial/Residential (1)
				End Use Investor Owned Utility (In other segments) (1)
			Generation (1)	Muni/Coop
			Marketer/Broker (1)	Non-Investor Owned Utility
		Transmission (1)	Independent Transmission Company	
		Executive Committee (11)	Distribution/LSE (1)	Competitive Retailer
		End User (4)	Large Industrial (1)	
			End Use – Self Generation (1)	
			Commercial/Residential (1)	
			End Use (In other segments) (1)	
			Generation (3)	Investor Owned Utility (1)
	Merchant (1)			
	At Large (1)			
	Marketer/Broker (2)	Not IOU Affiliated(1)		
	At Large (1)			
	Transmission (2)	Investor Owned Utility (1)		
		Independent Transmission Company (1)		
4	Wholesale Gas	Board	End User (2)	
			Services (2)	



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North American Energy Standards Board Membership as of May 11, 2006

Company	Quadrant	Segment	Contacts
8760	WGQ	s	Jim Buccigross
ACES Power Marketing LLC	WEQ	m	Roy J. True
American Electric Power Service Corp.	WGQ	s	Cathy Szasz
AGL Resources Inc.	RGQ	d	Katrina Bond
Alabama Electric Cooperative, Inc.	WEQ	d	William Ronald Graham
Alabama Power	REQ	d	Judy W. Ray, Yvette Camp
Alliance Pipeline LP	WGQ	pl	Neil Coghlan
Ameren Corporation	WGQ	l	Scott Glaeser
Ameren Services	WEQ	m	Shawn Schukar
	REQ	d	Patrick Eynon
American Electric Power Service Corp.	WEQ	m	Barbara Radous, Joseph Hartsoe, Phil Cox
		t	John Stough, Michael Desselle
American Municipal Power - Ohio, Inc.	WEQ	d	Pat Frazier, Chris Norton
American Public Power Association	WEQ	d	Allen Mosher
American Transmission Company LLC	WEQ	t	Julie Voeck
Anadarko Energy Services Company	WGQ	s	John Bretz
Apache Corporation	WGQ	pr	Michele Markey
Aquila, Inc.	WEQ	g	Greg Emery
Arizona Public Service Company	WGQ	e	Gary Duede, Kelly Daly, Curt Brechtel
	WEQ	t	Mark W. Hackney
Atmos Energy	WGQ	pl	Steve Easley
Ballard Natural Gas, LLC	WGQ	s	Susan Thibodeaux
Baltimore Gas & Electric Co.	REQ	d	Ruth Kiselewich
	WGQ	l	Phil Precht



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Company	Quadrant	Segment	Contacts
	RGQ	d	Phil Precht
Barclays Bank PLC	WGQ	s	Guy Kern-Martin
Basin Electric Power Cooperative	WEQ	g	Jason Doerr
		m	David Raatz
		t	Dan Klempel
BG LNG Services, LLC	WGQ	s	Martha Braddy
Boeing Company, The	WGQ	e	Tina Burnett
Bonneville Power Administration	WEQ	d	Sydney D. Berwager
		g	Francis Halpin
		m	Brenda Anderson
		t	Barbara Rehman
BP America Inc.	WEQ	e	Jeanne Zaiontz
BP Energy	WGQ	pr	Bill Benham, Lauren Kaestner
Bridgeline Gas Marketing	WGQ	pl	Georgia Blanchard
Burlington Resources	WGQ	pr	Paul Keeler
Calpine Energy Services, LP	WGQ	e	Janet Dixon, Craig Chancellor
Cargill Incorporated	WGQ	s	Kathy Gerken
Cascade Natural Gas Corporation	WGQ	l	Mark Sellers-Vaughn
Center Point Energy Minnegasco	RGQ	su	Andrea Newman
CenterPoint Energy Gas Services, Inc.	WGQ	s	James G. Beste
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
Cheniere LNG Marketing, Inc.	WGQ	s	Mark Stubbe, Tammy Miller



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Company	Quadrant	Segment	Contacts
Chevron/Texaco	WGQ	pr	Randy Mills
ChevronTexaco Energy Research and Technology	WEQ	e	Carol Guthrie
Cimarex Energy Co.	WGQ	pr	Charlotte Baker
Cinergy	WEQ	g	Walt Yeager
	WEQ	m	Walt Yeager
	WGQ	e	Marty Patterson
Cinergy Marketing and Trading	WGQ	s	Maribeth Bedevian
Cinergy Services, Inc.	REQ	d	Paul K. Jett
Cleco Power, LLC	WEQ	t	Keith Comeaux
Columbia Gas Transmission Corporation	WGQ	pl	Carl Levander
Commerce Energy Group	RGQ	s	Greg Lander
Comprehensive Energy Services	WGQ	e	Jim Templeton
	WEQ	e	Jim Templeton
Conectiv Energy Supply, Inc.	WEQ	g	Gloria Ogenyi, Paul Dwyer
	WEQ	m	Gloria Ogenyi, Paul Dwyer
ConocoPhillips Gas and Power	WGQ	pr	Peter Frost
Consolidated Edison Company of New York, Inc.	WEQ	t	Scott Butler
	REQ	d	Hollis Krieger
	WGQ	l	Mary Jane McCartney, Jim Stanzione
Constellation Energy Commodities Group, Inc.	WGQ	s	Robert McKay
Constellation Generation Group	WEQ	g	Michael Gildea
Constellation NewEnergy, Inc.	REQ	su	Sara O'Neill, Peter Kelly-Detwiler, Jansen Pollock
Consumers Energy Company	WEQ	d	Andrew C. Dotterweich, Frank Johnson
	WEQ	g	Steven L. Gaarde, Andrew C. Dotterweich, John J. Dellas
Dairyland Power Cooperative	WEQ	t	Chuck Callies



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Company	Quadrant	Segment	Contacts
Dauphin Island Gathering Partners	WGQ	pl	Katie Rice
Defense Energy Support Center	WGQ	e	Veronica Jones, Kevin Ahern
	REQ	e	Lisa Robert
Department of Energy	WGQ	e	Christopher Freitas
Department of the Interior, US Bureau of Reclamation	WEQ	g	Deborah M. Linke
Direct Energy Business Services	REQ	su	David Booty
Dominion Energy Marketing, Inc.	WEQ	g	Louis Oberski
Dominion Exploration and Production, Inc.	WGQ	pr	David Ogden, Gary Weaver, Sheri Heslington
Dominion Resources	WGQ	l	Craig Colombo
Dominion Retail	REQ	su	William Barkas, Richard Zelenko
	RGQ	su	Richard A. Zollars
Dominion Transmission, Inc.	WGQ	pl	Gary Sypolt, Iris King
Dominion Virginia Power	REQ	d	David F. Koogler, Mary Edwards
Duke Energy Corp.	WEQ	d	Ollie Frazier
Duke Energy Gas Transmission - Texas Eastern	WGQ	pl	Richard Kruse
Duke Energy Gas Transmission, LLP	RGQ	su	Richard Kruse, Marcy L. McCain
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
Edison Mission Marketing & Trading, Inc.	WEQ	g	William Roberts
El Paso Natural Gas	WGQ	pl	William Griffith
El Paso Exploration & Production Company	WGQ	pr	Bill Hebenstreit
Electric Reliability Council of Texas (ERCOT)	WEQ	n	Sam R. Jones, Ray Giuliani
	REQ	s	Sam R. Jones, Rob Connell, Ray Giuliani
ElectricCities of North Carolina	WEQ	g	Gregory Locke



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Company	Quadrant	Segment	Contacts
Electricity Consumers Resource Council (ELCON)	WEQ	e	John Anderson, John Hughes
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	WGQ	l	Marjorie Perlman
Energy East Management Corporation	WEQ	t	Marjorie Perlman
Energy Services Group, Inc.	RGQ	s	George Behr
Entergy Services, Inc.	WGQ	e	Arlynn Kelleher, Terry Shields
Entergy Services, Inc.	WEQ	m	James M. (Jimmy) Smith
		t	Edward J. Davis, John H. Zemanek, Narinder Saini
Enterprise Products Partners, L.P.	WGQ	pl	Richard W. Porter
Equitable Gas Company	WGQ	l	Steve Rafferty
Equitrans, L.P.	WGQ	pl	Mina Speicher
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 Marketing	WEQ	e	Steve Sayuk, Mark Scheel, Mark Ulrich
	WGQ	pr	Richard Smith
FirstEnergy Solutions Corp.	WEQ	m	Edward C. Stein
Florida Municipal Power Agency	WEQ	d	Steven H. McElhaney
		g	Robert C. Williams
Florida Power & Light Company	WGQ	e	Dona Gussow
	WEQ	m	Gerry Yupp, Raleigh Nobles



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Company	Quadrant	Segment	Contacts
		t	Marty Mennes
Florida Reliability Coordinating Council	WEQ	t	Linda D. Campbell
	WGQ	e	Ken Wiley
Gas Transmission Northwest Corporation	WGQ	pl	Jay Story
Georgia Transmission Corporation	WEQ	t	Patrick McGovern, Mark Temple
Great Lakes Gas Transmission	WGQ	pl	Gene Fava
Group 8760	WGQ	s	Jim Buccigross
Gulf Power Company	REQ	d	Joel Thomas Kilgore, Yvette Camp
Gulf South Pipeline	WGQ	pl	Claire Burum, Randy Young
H S Resources Inc.	WGQ	pl	Carol Hall
Hydro One Networks	WEQ	t	Mark Graham
Hydro - Quebec TransÉnergie	WEQ	t	Victor Bissonnette
Idaho Power Company	WEQ	t	Tessia Park
Imperial Irrigation District	WGQ	e	William Rapp
	WEQ	m	Kim M. Kiener, Frank M. Barbera
		t	Juan Carlos Sandoval, Javier Esparza
Indiana Municipal Power Agency	WEQ	g	Dick Foltz
Indiana Office of Utility Consumer Counselor	RGQ	e	Matthew Parsell
International LNG Alliance (Sweet Strategies)	RGQ	s	David Sweet
ITC Transmission	WEQ	t	Jim D. Cyrulewski
Iroquois Gas Transmission System	WGQ	pl	Tom Gwilliam
Kern River Gas Transmission Company	WGQ	pl	Brenda Horton
Kerr-McGee Oil and Gas Company	WGQ	pr	Charles (Chuck) Johnson
KeySpan Energy	WGQ	l	Dolores Chezar
Laclede Gas Co.	WGQ	l	Kenneth Neises



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Company	Quadrant	Segment	Contacts
Latitude Technologies	RGQ	s	Leigh Spangler
	WGQ	s	Leigh Spangler
Louis Dreyfus Energy Services L.P.	WGQ	s	Mary Ellen Bell, Ruby H. Melton
Lower Colorado River Authority	WGQ	e	Mickey Bell
Macquarie Cook Energy, LLC	WGQ	s	Angela Jones
Marathon Oil Company	WGQ	pr	Robin Perrine
Maryland People's Counsel	WEQ	e	Mike Tomczak
Mewbourne Oil Company	WGQ	pr	Michael F. Shepard
Michigan Electric Transmission Company LLC	WEQ	t	Charles V. Waits
Michigan Public Power Agency	WEQ	d	James R. Nickel, Daniel E. Cooper
MidAmerican Energy	REQ	d	James E. Wilson
Midwest Independent Transmission System Operator	WEQ	n	William (Bill) Phillips
Minneapolis Consulting Group	WEQ	e	Mike Prickett
Mirant Energy Trading, LOC	WGQ	e	Laura Trautman, Nicole Dagg
Mississippi Power Company	REQ	d	Dorman Davis, Yvette Camp
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
	RGQ	d	Mike Novak
National Fuel Gas Supply Corp.	WGQ	pl	Joseph Kardas
National Grid USA	WEQ	t	Herbert Schrayshuen, Peter Flynn, Mary Ellen Paravalos
National Rural Electric Cooperative Assoc.	WEQ	d	Barry Lawson
Natural Gas Pipeline Co of America	WGQ	pl	Paul Love
Navigant Consulting, Inc.	WEQ	m	Richard G. Smead



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Company	Quadrant	Segment	Contacts
New Jersey Natural Gas Company	WGQ	l	Douglas C. Rudd
New York State Dept. of Public Service	WEQ	e	William Heinrich
New York State Reliability Council	WEQ	d	P. Donald Raymond
Niagara Mohawk	RGQ	d	James Dillon
Niagara Mohawk Power Corporation	WGQ	l	Bruce Garcy
Nicor Gas	WGQ	l	Mary Wolosek, Shirley Holmes
NiSource Inc.	WGQ	l	George Simmons
NJR Energy Services Company	WGQ	s	Ginger Richman
North American Electric Reliability Council (NERC)	WEQ	d	Donald M. Benjamin, Larry Kezele, Tom Vandervort, Bill Blevins
North Carolina Electric Membership Corporation	WEQ	d	David Beam
North Carolina Electric Municipal Power Agency #1	WEQ	d	Andrew Fusco
	WEQ	m	Clay A. Norris
Northeast Utilities Service Company	WEQ	t	David Boguslawski, Calvin A. Bowie
Northern Indiana Public Service Company (NiSource Inc.)	RGQ	d	Mark T. Maassel
Northern Natural Gas	WGQ	pl	Mary Darveaux
Northern Plains Natural Gas Company, Inc.	WGQ	pl	Scott Coburn
Northwest Natural Gas Company	WGQ	l	Randolph Friedman
NOVA Gas Transmission Ltd.	WGQ	pl	Doug Miller
Occidental Energy Marketing Inc. (OEMI)	WGQ	pr	Melinda Duncan
Office of Public Advocate, State of Maine	REQ	e	Barbara Alexander
Oglethorpe Power Corporation	WEQ	g	Billy Ussery
Ohio Consumers Council	REQ	e	Randy Corbin
	RGQ	e	Bruce M. Hayes
	WEQ	e	Randy Corbin
Ontario Power Generation	WEQ	g	Barry Green



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Company	Quadrant	Segment	Contacts
		m	Ron Robinson
Open Access Technology International, Inc.	WEQ	e	Kevin Burns
		t	Paul R. Sorenson
Otter Tail Power Company	WEQ	t	Daryl Hanson, Larry Larson
Pacific Gas & Electric	WGQ	l	John Breen
PacifiCorp	WEQ	g	Greg Maxfield
		m	Edison G. Elizeh
		t	Jim Hicks, Mark Maher
Panhandle Eastern Pipe Line	WGQ	pl	Bill (William) Grygar, Kim Van Pelt
PECO Energy Co.	WGQ	l	Reed R. Horting, Amy Hamilton
Pemex Gas Y Petroquimica Basica	WGQ	s	Juan Enrique Gonzales Azuara
Pennsylvania Office Of Consumer Advocate	REQ	e	Tanya J. McCloskey, Sonny A. Popowsky
	RGQ	e	Tanya J. McCloskey, Stephen Keene
Peoples Gas Light & Coke Co.	WGQ	l	Tom Zack
Peoples Gas System	RGQ	d	Rachel Gebhardt
PHI Power Delivery	WEQ	t	Ken Gates
Philadelphia Gas Works (APGA billing: Bert Kalisch)	RGQ	d	Joe Stengel, Craig White
Platte River Power Authority	WEQ	t	Terry L. Baker
Platts	WGQ	s	Bill Murphy
Portland General Electric	WGQ	pl	Kathy Davies
	WEQ	m	Terri Peschka
Portland Natural Gas Transmission System	WGQ	pl	David Haag
Powerex Corp.	WGQ	s	Sharole Tylor
PPL Electric Utilities Corporation	WEQ	t	Ray Mammarella
PPL EnergyPlus, LLC	WGQ	e	Anne Lovett



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PPLSolutions, LLC	REQ	s	James M. Minneman
Progress Energy	WEQ	t	Verne Ingersoll, 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 Service Electric & Gas	WGQ	l	David Wohlfarth
	REQ	d	Terrence Moran
	RGQ	d	Terrence Moran
	WEQ	d	Colin J. Loxley
		t	Jeffrey C. Mueller
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	Mark Davis
Sabine Pipe Line LLC	WGQ	pl	Jan Rogers
Sacramento Municipal Utility District	WEQ	d	Robert D. Schwermann
		g	Thomas Ingwers
Salt River Project Agricultural Improvement & Power District	WGQ	e	Diane McVicker
	WEQ	d	Wendy Weathers, Mark B. Bonsall
		t	Steve Cobb
SCANA Corporation	WGQ	pl	Jacquelyn Gettle
Seminole Electric Cooperative, Inc.	WEQ	g	Lane Mahaffey
Sempra Energy - Southern California Gas Co.	WGQ	l	Lee Stewart, Rodger Schwecke
Sequent Energy Management, L.P.	WGQ	s	Pat Metteauer
SolArc Inc.	WGQ	s	Tim Curtis



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Company	Quadrant	Segment	Contacts
South Carolina Electric & Gas Company	WEQ	t	S. Porcher Stoney
Southeastern Power Administration	WEQ	g	Bob Goss
Southern California Edison	WEQ	t	Weston Williams
	WEQ	g	Thomas Watson
	WGQ	e	Roman Bakke
Southern Company Services	REQ	s	Mark S. Jarrett, Yvette Camp
Southern Company Services, Inc.	WGQ	e	Alan Kilpatrick
	WEQ	d	Gary Rozier, Mark Crosswhite, Greg Butrus
		g	Roman Carter
		m	Joel Dison
		t	R.D. (Dean) Ulch, John Lucas, James Y. Busgin, Rebecca Martin
Southern Natural Gas Co.	WGQ	pl	Renee Hyde, Ronnie L. Martin
Southern Star Central Gas Pipeline	WGQ	pl	James L. Harder, Dale Sanders
Southwest Gas Corporation	WGQ	l	Larry Black
Southwest Power Pool	WEQ	n	Carl Monroe
Southwest Transmission Cooperative, Inc.	WEQ	t	Larry D. Huff
Southwestern Power Administration	WEQ	t	Stanley L. Mason
Sprague Energy Corp.	RGQ	su	Kathy Fudali
Structure Group	REQ	s	Stacey Wood
SUEZ Energy Marketing NA, Inc.	WEQ	m	Ken Lackey, Cesar Seymour
Sunflower Electric Power Corporation	WEQ	t	L. Earl Watkins
SunGard	WGQ	s	Jennifer Chen
Systrends USA	RGQ	s	Dave Darnell
Telvent	WGQ	s	William (Bill) Morrow
Tenaska, Inc.	WEQ	g	Scott Helyer



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Company	Quadrant	Segment	Contacts
Tennessee Gas Pipeline Company	WGQ	pl	Larry Smith, Mark Gracey
Tennessee Valley Authority	WGQ	e	Valerie Crockett
	WEQ	d	Cindy Herron, CH Asst. (Dawn Arnorld)
		g	Kathy York
		m	Clyde Harmon
		t	Mitchell Needham, W. Terry Boston
Texas Gas Transmission, LLC	WGQ	pl	Jeff Bittel
Tiger Natural Gas	WGQ	s	Bob Smith
TransCanada Pipelines	WGQ	pl	Doug Miller
TRANS-ELECT, INC.	WEQ	t	Paul D. McCoy
Trinity Apex Solutions, Inc.	WGQ	s	Richard (Dick) Couron
Tri-State Generation and Transmission Association, Inc.	WEQ	t	Bruce Sembrick
TXU Electric Delivery	WEQ	t	Ellis Rankin, Debbie McKeever
	REQ	d	Tommy Weathersbee, Debbie McKeever
TXU Energy	WEQ	m	Elizabeth Howland, Mike Grim
TXU Energy Retail	REQ	su	Felecia Lokey
UBS Energy LLC	WEQ	m	Suzanne Calcagno
	WGQ	s	Suzanne Calcagno
	RGQ	su	Suzanne Calcagno
UGI Utilities, Inc.	RGQ	d	Paul Szykman
Union Gas	RGQ	d	Greg Tetreault
Vector Pipeline L.P.	WGQ	pl	Amy Bruhn
Vermont Public Power Supply Authority	WEQ	g	William J. Gallagher
Wal-Mart Stores, Inc.	REQ	e	Angela Beehler
Washington Gas Light Co.	WGQ	l	Adrian Chapman, Ken Yagelski



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Company	Quadrant	Segment	Contacts
We Energies (Wisconsin Electric)	WEQ	d	Linda Horn
		g	James R. Keller
Western Area Power Administration	WEQ	m	Jeffrey Ackerman
	WEQ	t	Mark Fidrych
Western Electricity Coordinating Council (WECC)	WEQ	t	Michael Wells, Louise McCarren
Westfield Gas & Electric Light Dept.	WGQ	l	Joyce Bodak
Williams Gas Pipeline	WGQ	pl	Dale Davis, Ron Mucci
Williams Power Company	WEQ	g	Ron Mucci
Williston Basin Interstate Pipeline	WGQ	pl	Keith Tiggelaar
Wisconsin Public Power Inc.	WEQ	d	Mike Stuart
Wisconsin Public Service Corporation	WGQ	l	Patrick Fox
	REQ	d	William L. Bourbonnais, Les Nishida, Ken Thiry
	RGQ	d	William Bourbonnais, Glen R. Schwalbach, Les Nishida
	WEQ	g	William Bourbonnais, Charles W. Severance, Neal Balu
Xcel Energy	RGQ	d	Don Basler
	WEQ	m	David Lemmons



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NAESB BOARD OF DIRECTORS MEETING MATERIALS RETAIL STRUCTURE REVIEW COMMITTEE SUMMARY SEPTEMBER 14, 2006

RETAIL STRUCTURE REVIEW COMMITTEE SUMMARY OF MEETING HELD IN 2006:

- The Retail Structure Review Committee (RSRC), chaired by Mr. Bourbonnais, was formed to address the membership levels in the retail electric and retail gas quadrants through the possible merger of the two quadrants or other structural changes to the quadrants or their segments.
- **December 13, 2005:** The Board adopted the recommendations of the RSRC that no changes be made to the certificate or bylaws since such actions would not increase membership and could decrease participation. RSRC also recommended that current efforts to develop standards for choice-jurisdictions be permitted to conclude in 2006 and that more generic standards applicable to both choice and traditional regulated jurisdictions be initiated in 2006 and become the focus in 2007. The RSRC will revisit these recommendations in 4Q 2006.
- **In 2006,** the RSRC will continue to work with the Resources Committee to increase the number of Retail Quadrant members. RSRC will work to develop a 2007 annual plan that broadens their focus and moves the Retail Quadrants away from work that only benefits retail choice jurisdictions.
- **January 17, 2006:** The RSRC met via conference call to discuss its work plan for 2006. The RSRC also discussed the February 11 Advisory Council meeting and decided to schedule a Retail Leadership meeting in conjunction with the March 23rd Board meeting.
- **February 20, 2006:** The RSRC met to discuss the results of the Advisory Council meeting and made preparations for the Retail Gas Quadrant and Retail Electric Quadrant Executive Committee meeting on February 22. The RSRC forwarded a summary of topics that could be relevant topics for Retail Quadrant model business practice development to the Retail Executive Committees. The topics were developed by Mr. Ackerman of EEI. The RSRC members also discussed the plan for the Retail Leadership meeting scheduled on March 22 in Houston Texas.
- **March 10, 2006:** The RSRC met via conference call on March 10 to discuss efforts underway with EEI and AGA regarding membership in March and April and to review and amend their work plan. The RSRC also reviewed the results of the Retail Executive Committee meeting on February 22; reviewed the recommendations of the Advisory Council; reviewed the EEI & AGA proposals; and discussed the Retail Leadership meeting scheduled on March 22, 2006.
- **April 12, 2006:** The RSRC met via conference call on April 12 to review the recommendations that resulted from the Retail Leadership meeting on March 22; review the Advisory Council/Executive Committee recommendations; review the results from the AGA Rates & Regulation Seminar; review the EEI and member recommendations, and determine next steps and discuss the work plan for 2006. The RSRC agreed that there should be an outreach to the state commissions in order to increase the awareness of the work of the Retail Quadrants. It was determined that the summer NARUC meeting would be a good forum to conduct an outreach, keeping in mind that NAESB cannot engage in advocacy. Committee members will also attend the EEI National Accounts meeting in July and try to get feedback on the work of the NAESB Retail Quadrants similar to what was done for the AGA Rates & Regulation Seminar. The RSRC also discussed the possibility of offering discounted memberships to state commissions.
- **May 22, 2006:** The RSRC had scheduled a conference call on May 22, 2006 to receive updates on progress of the committee members and begin drafting its report to be submitted to the Board at the December 2006 Board meeting. The chair of the RSRC, Mr. Bourbonnais, requested that this call be rescheduled due to a time conflict.
- **June 5, 2006:** The RSRC held a conference call on June 5, 2006 and developed the agenda for the Retail Leadership meeting scheduled for June 22, 2006.
- **July 6, 2006:** The RSRC met via conference call on July 6, 2006 from 9:30 AM to 11:00 AM Central. The RSRC discussed the outcome of the Retail Leadership meeting, the outcome of the Board meeting and strategic session and



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NAESB BOARD OF DIRECTORS MEETING MATERIALS RETAIL STRUCTURE REVIEW COMMITTEE SUMMARY SEPTEMBER 14, 2006

reviewed the Talking Points drafted for use when speaking with state commissioners at the NARUC summer meeting in San Francisco, California.

- **July, 2006:** Committee members will attend the EEI National Accounts meeting in order to get feedback on possible areas for development of model business practices.
- **July 30, 2006:** Committee members and Ms. McQuade will attend the NARUC Summer Meetings.
- **August 9, 2006:** The RSRC held a conference call on August 9, 2006. The members of the RSRC discussed the input from NARUC Commissioners at the NARUC Summer Meeting and the input from the participants of the EEI National Accounts meeting.
- **Planned, September 15, 2006:** The RSRC has scheduled a conference call on September 15, 2006. The agenda for this call includes a review of the August 16, 2006 Retail Quadrant Executive Committee meeting and development of the work plan for the December 2006 Board Recommendation.
- **RSRC** anticipates submitting an updated report to the Board by **December 2006**.



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via posting

TO: Retail Structure Review Committee Members, and Interested Industry Participants

FROM: Rae McQuade, President
Laura B. Kennedy, Meeting/Project Manager

RE: Notes from the Retail Structure Review Committee Conference Call on August 9, 2006

DATE: August 10, 2006

Dear Retail Structure Review Committee Members,

A conference call of the Retail Structure Review Committee (RSRC) was held on August 9. The following notes resulted from the meeting:

- Administration:
- Ms. Kennedy read the antitrust advice.
- Review Outcome of EEI National Accounts Meeting:
- Mr. Bourbonnais attended the EEI National Accounts Meeting on July 20, 2006. Mr. Bourbonnais submitted suggested standards development items that resulted from the meeting that were posted as a work paper for this call:
<http://www.naesb.org/pdf2/rsrc080906w2.doc>.
 - Retail Gas/Electric Standard Contract: The EEI National Accounts supported the development of a standard contract but stated that it should contain boiler plate sections only, with separate addendum for state specifics and it should be as short as possible.
 - The Retail Contracts Subcommittee is working to draft a commodity neutral standard retail contract. The draft does not contemplate the attachment of an addendum for state specifics.
 - Mr. Bourbonnais will forward names of individuals who represent EEI National Accounts who volunteered to participate in the Retail Contracts Subcommittee to the NAESB office so they can be invited to the August 14th Contracts Subcommittee teleconference.
 - The EEI National Accounts also supported standardized electronic billing. It was noted that the Retail Quadrants are working to develop model business practices for Standards or model business practices for electronic retail billing transactions and bill payment transactions between customers, suppliers, and utilities. The technical pieces of these model business practices should be completed soon.
 - It was suggested that the uniform electronic transactions billing and payment model business practices be presented to the EEI National Accounts once they are completed to get their input.
 - In the past, the NAESB Advisory Council has focused on wholesale electric and gas issues. Mr. Haynes suggested the formation of a group similar to the NAESB Advisory Council made of state regulators, state commission staff, and other individuals who help to form policy that focus on retail issues. This group could advise the NAESB Retail Quadrants on current model business practice



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development and potential new areas where model business practices are needed.

Review Outcome of Discussions with Commissioners at NARUC Summer Meeting:

- Mr. Bourbonnais had the opportunity to speak with several state commissioners during the NARUC Summer meeting in San Francisco including Minnesota, Michigan, and Wisconsin. Mr. Bourbonnais will follow up with these individuals in the form of a letter to see if the RSRC and NAESB can get any suggestions from Commissions.
- Ms. Kiselewich and Mr. Novak will encourage Retail Executive Committee members to contact their own state commission's staff in order to make them aware of the current activities at NAESB. They will also discuss the suggestions by the National Accounts (billing and metering standardization) to see if any of these are possible.

Develop work plan for December 2006 Board Recommendation:

- After the next retail EC meeting the RSRC will need to determine the direction of our December 2006 report to the Board based on all of the input we have received since last December.

Adjournment

- The meeting adjourned at 1:58 PM Central.

Next meetings

- The RSRC will meet via conference call on September 11, 2006 from 3:00 PM to 4:30 PM Eastern.

Attendance:

Name	Organization	Participation
Bill Bourbonnais	WPS Resources Corporation	Committee Chair
Leonard Haynes	Southern Company	Committee Member
Ruth Kiselewich	Baltimore Gas and Electric	Committee Member
Mike Novak	National Fuel Gas Distribution	Committee Member
Andy Dotterweich	Consumers Energy Company	Observer
Phil Precht	Baltimore Gas and Electric	Observer
Laura Kennedy	NAESB	NAESB Staff
DeDe Kirby	NAESB	NAESB Staff



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September 11, 2006

TO: NAESB Retail Gas and Electric Quadrant Members and Interested Industry Participants
FROM: Rae McQuade
RE: Potential Standards Development Efforts for 2007 for the Retail Gas and Electric Quadrants

Dear Retail Gas and Electric Quadrant Members and Interested Parties,

Through the efforts of our Board of Directors, Advisory Council, Executive Committees, Resources Committee and Retail Structure Review Subcommittee, several standards development projects have been identified for possible inclusion in the 2007 annual plan. We hope that this document will be helpful and provide background for you as you determine to provide comments.

The areas identified that may benefit for standards development efforts are:

- Contracts: development of additional retail contracts and addenda that support the base contract already under development
- Customer Choice Activities
- Distributed Generation
- Energy Renewal and Green Energy Programs
- Interruption and Curtailment Procedures
- Load Profiling
- Low Income Strategies
- Model Business Practices between utilities and suppliers in day to day transactions with RTOs (joint initiative with the WEQ)
- Model Business Practices focused on estimating the impact of demand side management (DSM) and energy efficiency (EE) initiatives
- Net Metering
- Renewables/Renewable Portfolio Standards – work with the wholesale quadrant on nationally traded renewable energy credit
- Standard electronic/web billing
- Standardization of EDI billing terms and determinants
- XML Development

We look forward to hearing from you soon and hope you will provide comments to support our annual planning process. Should you have any questions or need additional information, do not hesitate to contact the NAESB office at 713-356-0060 or vthomason@naesb.org.

Best Regards,

Rae

Rae McQuade
 President, NAESB



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August 24, 2006
 Provided via email

TO: NAESB Board Committee on ISO/RTO Participation (See Distribution)
 FROM: Rae McQuade
 RE: Meeting Notes from August 24, 2006

NAESB NAMED COMMITTEE MEETING WITH ISO LEADERSHIP
 HOTEL GEORGE, 15 E STREET NW, WASHINGTON D.C. –THURSDAY, AUGUST 24, 2006
 MEETING NOTES

1. Administrative Items and Introductions

Mr. Miles and Ms. Gallagher introduced themselves as facilitators for the meeting. Ms. McQuade provided antitrust guidance. Participants introduced themselves. The attendee list is attached to these notes as attachment A. The background documents, including a paper from PJM, and comments from both Mr. Anderson and Mr. Lawson were reviewed.

2. Background

Mr. Desselle provided background that lead up to this meeting and the creation of the Board named committee. In March, the Wholesale Electric Quadrant (WEQ) Board members, the Resources Committee led by Mr. Brown, and the WEQ leadership group asked Ms. McQuade to contact ISOs and RTOs regarding participation in NAESB. After consulting with Mr. Glazer, Ms. McQuade provided each ISO President with a letter on April 28, requesting that they consider participation in NAESB and membership. On June 7, NAESB received a reply from Mr. Harris on behalf of the ISO-RTO Council (IRC) requesting a separate segment for the ISOs and RTOs. At the June Board meeting, the response was discussed by the WEQ Board members, the Resources Committee, and the WEQ leadership group and the named committee was created to explore opportunities for increased participation by the ISOs and RTOs and prepare a response to the June letter from the IRC.

Mr. Desselle also described the structure of the WEQ NAESB organization, its segments and subsegments, and the requirement that all segments within a quadrant have an equal number of seats for the Board of Directors and the Executive Committee (EC). Currently there are 5 segments in the WEQ and each segment has 7 seats on the Board and the WEQ EC. Each WEQ segment has subsegments that provide a balance of interests. Mr. Desselle also described the roles of the Board and the EC and the voting requirements for passage of standards and modifications of governance procedures and documents.

3. Discussion on the need for a new segment

Mr. Harris described the position of the IRC regarding the creation of a new segment within NAESB. He emphasized that ISOs and RTOs must maintain a non-discriminatory, impartial and neutral role in the wholesale electric market and as such should not hold seats in segments with generators, transmission providers or distributors. As such the current NAESB structure does not provide for their direct participation. He also noted that it was acceptable to continue in the current process, where if the ISOs and RTOs had issues with standards developed by NAESB that were considered by the FERC, they would bring their concerns to the FERC in the comment period for the applicable rule-making.



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August 24, 2006
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There was general discussion on the need for participation by the ISO and RTO staff in several of the standards development efforts planned for NAESB. The ISOs and RTOs have the subject matter experts whose input would be valuable as standards are developed.

4. Discussion of Options

Two options were discussed at length: (1) the creation of a new segment with or without subsegments, and (2) taking no action. Redefining the subsegments within the existing segments or removing subsegment designations within the existing segments to support ISO and RTO membership was determined to be not viable options for consideration.

The creation of a new segment was discussed with three alternatives: (1) the creation of an ISO/RTO segment, (2) the creation of a services segment that would encompass the ISO and RTO membership, but could also include other interests and could also include the “at large” subsegments, and (3) the creation of a grid operators segment that could include the concept of independence noted by Mr. Harris, but may also include grid operators that also function as vertically integrated utilities. .

Some issues related to the creation of a new segment were raised:

- As the segment creation was discussed, the related issue of the Joint Interface Committee (JIC) was raised -- specifically the support of NAESB and the IRC for the dissolution of the JIC as the coordination activities could be addressed through the NERC/NAESB Joint Standards Development Process endorsed by all three signatories to the MOU that created the JIC – NERC, NAESB and the IRC. The coordination could encompass the review of annual plans and the assignment of requests and SARs and both NERC and ISOs and RTOs can fully participate in NAESB and voting members.
- If a new segment is created, it would diminish the voting power of the existing segments, particularly for segments that traditionally have difficulty filling seats at the Board and EC. By diminishing the voting power, NAESB could see some existing members re-evaluate their memberships and possibly leave.
- Another concern identified was the possible conflict of interest of an ISO or RTO voting on standards and possibly blocking approval, when they may later be required to implement such standards by the FERC. While these concerns were raised, there was not overwhelming support for them to prevent the creation of a segment.
- Another point discussed was the requirement in the WEQ procedures that no single business interest should dominate a segment. Because the ISOs and RTOs would act independently in the segment, it was determined that section 2.4 of the quadrant procedures could be met.
- The At Large subsegment definition should be changed to preclude ISOs and RTOs from joining in other segments if a segment is created specifically for the ISOs and RTOs.



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5. Draft a recommendation

After a caucus period, the following recommendation was reached that was supported by all participants other than one. The one opposition to the recommendation was due to concerns raised in the issues listed above.

The recommendation is:

If the following four conditions are met, the Board Committee supports the creation of a sixth segment in the WEQ Quadrant: Independent Grid Operators/Planners, to be composed of ISOs, RTOs and other independent grid operators – with no subsegments defined at this time. The sixth segment will have 7 Board seats and 7 EC seats, as required by the NAESB bylaws. The conditions to be met are:

- a. The IRC and NAESB support the dissolution of the JIC and will pursue such action with NERC.
- b. The creation of the new segment will comply fully with the WEQ subsegment principles as noted in Section 2.4 on the WEQ Procedures.
- c. The “At Large” subsegment in the other five segments will be redefined to exclude the ISOs, RTOs and other independent grid operators and planners.
- d. The nine IRC members will join NAESB as members and commit resources to the development of NAESB business practices.

6. Process for Changing WEQ Procedures and Next Steps

Mr. Glazer will take the recommendation to the 9 ISOs and RTOs to determine if they find it acceptable. If so, then NAESB will begin its process to modify the quadrant procedures to reflect a new segment as noted above. Changes to WEQ quadrant procedures will require 75% affirmative vote of the WEQ members of the Board of Directors, including 40% of the seated Board members of each WEQ segment, and ratification of the procedure changes by 75% of the WEQ membership for those members returning ballots. The recommendation requires no changes to the NAESB Certificate, Bylaws or Rules of Procedure. At this time, it was determined that no additional meetings were needed.

7. Adjourn

The meeting adjourned at 3:00 pm eastern. Mr. Miles and Ms. Gallagher of FERC were thanked for their facilitation of the meeting.



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ATTACHMENT A – ATTENDEE LIST

NAMED COMMITTEE MEMBERS:

Board Officers: Joe Stepenovitch - NAESB Board member and Chairman of the Board of Directors
 Michael Desselle - NAESB Board member and officer, Chair of the named committee
 Jim Templeton - NAESB Board member and officer
Leonard Haynes –NAESB Board member and officer (unable to attend this meeting)

Board Members: John Anderson - ELCON (Board Member representing End User/Large Industrial interests)
 Scott Brown –Exelon Generation Power Team (Board Member representing Marketer/Broker, IOU interests)
 Bruce Ellsworth – New York State Reliability Council (Board Member representing a regional reliability group through the Distribution/LSE, At Large interests)
 Mike Gildea -- Constellation Generation Group (Board Member representing Generation/Merchant interests)
 John Lucas -- Southern Company (Board Member presenting Transmission/IOU interests)
 Ron Mucci -- Williams Power (Board Member representing Generation/At Large interests)
Belinda Thornton -- Tennessee Valley Authority (Board member representing Generation/Fed-State-Provincial interests) (unable to attend this meeting)
 Roy True - ACES Power Marketing (Board member representing Marketer/Broker, Muni/Coop interests)
Jeanne Zaiontz - BP Energy (Board Member representing End User/Large Industrial interests) (unable to attend this meeting)

Other Named Members: *Dave Mohre – NRECA representing muni/coop interests (unable to attend the meeting)*
 Curt Winterfeld -- Deseret Power (“Soon to be” Board member and will represent the Generation, Muni/Coop interests)

Executive Committee leadership: Lou Oberski – Dominion Resource Services – WEQ EC Vice Chairman
 Kathy York – Tennessee Valley Authority – WEQ EC Chairman

Advisory Council: Bob Gee – Gee Strategies

ISO-RTO Council: Phil Harris – PJM, ISO-RTO Council Chairman
 Craig Glazer – PJM
 Tom Baugh -- PJM

FERC: Rick Miles – FERC (facilitator for the meeting)
 Deirdre Gallagher - FERC

OTHER PARTICIPATION:

Rae McQuade NAESB Office
 Veronica Thomason NAESB Office
 Barry Lawson NRECA, Board member representing Distribution Muni/Coop interests (unable to attend the meeting)



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Attachment B – Flip Chart Notes
 August 24, 2006
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Need for a new segment

- 1 – Independence/Impartiality (IRC)
- 2 – Okay with current arrangement (IRC)
- 3 – Legal Prohibition Re: (sector) segment participation – can not favor one sector over another (IRC)
- 4 – Could join NAESB as separate segment (IRC)
- 5 – Participation of IRC in NAESB has value
- 6 – Current practice: Majority voting is okay / balanced voting is not okay
- 7 – Implementer (OASIS) should not have vote (ELCON)
- 8 – Issue of Resources (IRC)
- 9 – Loss of members if voting is reduced
- 10 – If IRC provided separate segment, are resources in place?
- 11 – JIC – would “double dipping” occur if separate segment created?
- 12 – JIC needed for coordination

Options:

- Create new segment
 - modify the JIC
 - eliminate the JIC
 - leave JIC alone
- ISO/RTO segment
- Services segment
- Grid operators segment

ISO/RTO/Independent**

Grid Operators/Planners

- modify the JIC
- eliminate the JIC
- leave JIC alone
- definition for at-large need to be modified

Defining: open to more than ISO/RTOs – Independent as determined by FERC

Subsegment principles do apply

**Independence refers to individual as opposed to collective organizations

Services Segment

- remove at-large subsegments
- do not remove at-large (re-define at-large)

Grid Operators Segment

- a) <3 of 7 seats to ISO/RTOs, < other 4 IOU, fed/state/provincial, muni/coop, at-large
- b). include ITCs, ICTs and ITOs

Maintain status quo plus

- response period for ISO/RTOs then vote



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Attachment B – Flip Chart Notes
August 24, 2006
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Draft Proposal

Create new segment: Independent Grid Operators/Planners, if the following conditions are met:

- a. the IRC and NAESB would agree to pursue the elimination of the JIC
- b. follow subsegment principles
- c. re-define at-large to eliminate ISOs/RTOs from that subsegment
- d. IRC members joining and commitment of resources to standards development



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NAESB BOARD OF DIRECTORS MEETING MATERIALS MANAGING COMMITTEE ACTION SEPTEMBER 14, 2006

On August 10 and 11, 2006 through a series of email messages, the Managing committee unanimously endorsed the following action, which will take effect on September 30, 2006:

NORTH AMERICAN ENERGY STANDARDS BOARD BOARD MANAGING COMMITTEE RESOLUTION ON MEMBER BENEFITS AND ACCESS TO COPYRIGHTED MATERIALS AUGUST 11, 2006

WHEREAS, NAESB's copyright policy protects all standards developed by NAESB, and

WHEREAS, NAESB members have access to these standards at no cost to themselves as members by downloading them from the NAESB web site, and

WHEREAS, NAESB members currently have access to these standards at membership discounts by purchase in either CD or in print format,

NOW THEREFORE, NAESB members membership benefits shall hereafter include the opportunity to purchase NAESB standards at the discounted membership rate for use by an affiliate; provided, however, that this additional benefit extends only to the purchase of standards materials at the discounted membership rate in CD or print format, but *does not* extend to downloading the standards materials and furnishing such downloaded material to an affiliate; and provided further, that the discounted membership rate is to be paid for each purchase for each affiliate identified by the member at the time of purchase, and provided lastly, that this resolution in no way modifies NAESB's copyright policy:

NAESB COPYRIGHT POLICY:

All NAESB Standards are protected under United States Copyright laws. The same copyright protection applies to much of the other materials published by NAESB.

Members of NAESB and persons purchasing NAESB Standards are permitted to make reasonable use of these materials internally for certain limited purposes. However, they may not transfer them outside their own companies nor may they transfer them to affiliates or other third parties without written authorization from the NAESB office.

Duplication of NAESB Standards is not only an infringement of NAESB's copyright but it increases the risk that the duplicated materials may not contain all of the Standards and the like, and may thus be incomplete. Persons in possession of incorrect, incomplete and outdated materials may be under the misconception that they are observing NAESB's Standards even when they are not. This serves no one and only undermines what NAESB is trying to accomplish. Copyright infringement also undermines NAESB's ability to maintain the economic integrity its members expect so that it may continue its work in the future.

Members and purchasers of NAESB Standards and other NAESB copyrighted materials are cautioned to review their policies regarding use and distribution of our materials to assure that they are not intentionally or inadvertently infringing NAESB's copyright and coming into conflict with federal law.



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NAESB COPYRIGHT POLICY AND COMPANIES WITH ACCESS TO NAESB STANDARDS UNDER THE COPYRIGHT POLICY

AS OF SEPTEMBER 1, 2006

INTRODUCTION:

The NAESB standards are copyrighted and protected by federal copyright law. All NAESB members have access to the standards via the member-only portion of the NAESB web site. In accessing the standards they do so for their specific company use. They are not permitted to reproduce and distribute to third parties, including affiliates, partners or other corporate entities under the same corporate umbrella.

There are several other ways that companies can gain access to NAESB standards; however, the same copyright limitations remain in effect so that persons likewise are not permitted to reproduce and distribute to third parties, including affiliates, partners or other corporate entities under the same corporate umbrella.

As examples of the preceding paragraph, a company that attends a NAESB class may have access to those standards addressed in the class. A company that purchases a version of the standards has access to that version via either a CD or via printed material. Several government agencies have requested and received copies of the standards with waivers so that they and their task forces may evaluate the standards for use. The members of the task force are only to use the standards for evaluation purposes, and the same restrictions as noted above apply. As task force members determine to use the standards for implementation in their own companies and with trading partners, they must obtain the standards separately – either through purchasing, access to the NAESB web site if they are NAESB members, or attendance at classes.

REASON FOR ACCESS TO STANDARDS:

NAESB standards are developed by the industry to improve the transparency and transactional efficiency of the energy markets. From NAESB's perspective, all standards are voluntary.

The retail standards are available to support customer choice programs and other aspects of retail markets not related to customer choice programs. Some of the retail technical standards have been adopted by the states and are mandatory. The majority of the retail standards are voluntary. Access to the standards is necessary for implementation and ultimately, to benefit from the efficiency they introduce.

The Wholesale Gas Standards (WGQ Version 1.7) and the Wholesale Electric Standards (WEQ Version 000) with a few exceptions have been incorporated by reference by the Federal Energy Regulatory Commission into federal regulations and are mandatory for federal jurisdictional entities. The Commission, in adopting the standards, sets requirements for compliance and penalties for non-compliance. NAESB does not monitor for compliance nor does it set standards that address penalties for non-compliance. Access to the standards is necessary for implementation and ultimately, to benefit from the efficiency they introduce. Access is also needed to ensure compliance.

Standards access is provided 1) through membership in NAESB, 2) by purchase of annual web site access, 3) via attendance at NAESB courses for specific standards, 4) through purchase at a nominal price, or 5) by receipt of a special license. In each instance, access is limited and non-transferable.



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September 1, 2006

NAESB Copyright Policy and Companies With Access to NAESB Standards Under the Copyright Policy
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WARRANTY DISCLAIMER AND COPYRIGHT WARNING:

Below is the warranty disclaimer and copyright warning for each of the most recent versions of the NAESB standards:

- Wholesale Electric Quadrant Version 000 Standards for OASIS and Standards of Conduct and Complementing NERC Reliability Standards:

The North American Energy Standards Board (NAESB) disclaims and excludes, and any user of the NAESB standard acknowledges and agrees to NAESB's disclaimer of, any and all warranties, conditions or representations, express or implied, oral or written, with respect to the standard or any part thereof, including any and all implied warranties or conditions of title, non-infringement, merchantability, or fitness or suitability for any particular purpose (whether or not NAESB knows, has reason to know, has been advised, or is otherwise in fact aware of any such purpose), whether alleged to arise by law, by reason of custom or usage in the trade, or by course of dealing. Each user of the standard also agrees that under no circumstances will NAESB be liable for any special, indirect, incidental, exemplary, punitive or consequential damages arising out of any use of, or errors or omissions in, the standard.

The NAESB Wholesale Electric Quadrant (WEQ) Standards Manuals Relating to Open Access Same-Time Information Systems (OASIS), Coordinate Interchange, Area Control Error (ACE) Equation Special Cases, Manual Time Error Correction, Inadvertent Interchange Payback, Transmission Loading Relief (Eastern Interconnection), Standards of Conduct, and Contracts, and any amendments or errata thereto, are protected by NAESB's federal copyright 2005-2006. NAESB hereby grants the authorized users who are NAESB members in good standing permission to reproduce material therein for internal reference and use and not for use by any unauthorized third parties. Reproduction in any other form, or for any other purpose, is forbidden without express permission of NAESB. Copies are available for purchase from NAESB. This non-exclusive limited license is non-transferable and may be revoked without notice upon violation of the terms contained herein or any applicable law or regulation. Each user grants NAESB the right to audit its use to assure compliance with these terms.

- Wholesale Gas Quadrant Version 1.7 Standards for Nominations, Flowing Gas, Invoicing, Electronic Delivery Mechanisms, Capacity Release, Contracts, Interpretations, and Additional Standards:

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	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
8760	✓		✓	✓	✓	✓	✓	✓
Aarrowcast, Inc.		✓						✓
ABN AMRO Inc.		✓					✓	
ACES Power Marketing LLC	✓			✓	✓	✓	✓	✓
AGL Resources Inc.	✓			✓	✓	✓	✓	✓
Alabama Electric Cooperative, Inc.	✓			✓	✓	✓	✓	✓
Alabama Power	✓			✓	✓	✓	✓	✓
Allegheny Energy		✓		✓				
Allen & Overy		✓						✓
Alliance Pipeline LP	✓	✓	✓	✓	✓	✓	✓	✓
Alliance Pipeline Ltd		✓					✓	
Alston & Bird, LLP		✓						✓
Alterra Healthcare, Inc.		✓						✓
Amerada Hess Corp.		✓				✓		
Ameren Corporation	✓			✓	✓	✓	✓	✓
Ameren Services	✓			✓	✓	✓	✓	✓
Ameren Services Company	✓			✓	✓	✓	✓	✓
American Crystal Sugar Company		✓						✓
American Electric Power Service Corp.	✓			✓	✓	✓	✓	✓
American Municipal Power - Ohio, Inc.	✓			✓	✓	✓	✓	✓
American Public Power Association	✓			✓	✓	✓	✓	✓
American Transmission Company LLC	✓			✓	✓	✓	✓	✓
Ameristar Casinos, Inc.		✓						✓
Anadarko Energy Services			✓					✓
Anadarko Energy Services Company	✓			✓	✓	✓	✓	✓
Analysis Group		✓						✓
Andrews Kurth LLP		✓					✓	✓
Apache Corporation	✓			✓	✓	✓	✓	✓
Aquila, Inc.	✓			✓	✓	✓	✓	✓
Arent Fox PLLC		✓						✓
AREVA TGD Corporation		✓		✓				
Arizona Public Service Company	✓			✓	✓	✓	✓	✓



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Ater Wayne LLP of Portland Oregon		✓		✓	✓	✓	✓	✓
Atmos Energy	✓			✓	✓	✓	✓	✓
Avista Energy, Inc.		✓						✓
Baker Botts, LLP		✓					✓	✓
Ballard Natural Gas, LLC	✓			✓	✓	✓	✓	✓
Baltimore Gas & Electric Co.	✓		✓	✓	✓	✓	✓	✓
Baltimore Gas & Electric Company			✓					✓
Barclays Bank PLC	✓			✓	✓	✓	✓	✓
Basin Electric Power Cooperative	✓			✓	✓	✓	✓	✓
Bear Paw Energy, LOC		✓					✓	✓
Benjamin Schlesinger & Associates		✓						✓
Berry Petroleum Company		✓						✓
BG LNG Services, LLC	✓			✓	✓	✓	✓	✓
Biagiotti		✓						✓
Blake, Cassels and Graydon, LLP		✓						✓
Boeing Company, The	✓			✓	✓	✓	✓	✓
Bonneville Power Administration	✓			✓	✓	✓	✓	✓
BP America Inc.	✓			✓	✓	✓	✓	✓
BP Energy	✓		✓	✓	✓	✓	✓	✓
Bracewell & Giuliani, LLP		✓		✓	✓		✓	✓
Bracewell & Patterson, LLP		✓						✓
Brickfield Burchette Ritts and Stone		✓						✓
Bridgeline Gas Distribution LLC		✓						✓
Bridgeline Gas Marketing	✓			✓	✓	✓	✓	✓
Bridgeline Holdings, LP		✓						✓
Bridgeline Storage Company LLC		✓						✓
British Columbia Transmission Corporation		✓		✓	✓			
Brown, Williams, Moorhead & Quinn, Inc.		✓					✓	✓
Burlington Resources	✓			✓	✓	✓	✓	✓
Caledonia Energy Partners, LLC		✓						✓
California ISO		✓					✓	✓
Calpine Energy Services, LP	✓			✓	✓	✓	✓	✓



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	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
Camterra Resources, Inc.		✓						✓
Cargill Incorporated	✓			✓	✓	✓	✓	✓
Cascade Natural Gas Corporation	✓			✓	✓	✓	✓	✓
CenterPoint Energy		✓		✓	✓	✓	✓	✓
Center Point Energy Minnegasco	✓			✓	✓	✓	✓	✓
CenterPoint Energy Gas Services, Inc.	✓		✓	✓	✓	✓	✓	✓
CenterPoint Energy Gas Transmission Company	✓		✓	✓	✓	✓	✓	✓
CenterPoint Energy Mississippi River Transmission	✓			✓	✓	✓	✓	✓
Central Electric Power Cooperative	✓			✓	✓	✓	✓	✓
Chandeleur Pipe Line Company	✓			✓	✓	✓	✓	✓
Charles River Associates		✓					✓	✓
Cheniere LNG Marketing, Inc.	✓		✓	✓	✓	✓	✓	✓
Cheniere Pipeline Company		✓						✓
Chesapeake Utilities		✓						✓
Chevron/Texaco	✓			✓	✓	✓	✓	✓
ChevronTexaco Energy Research and Technology	✓			✓	✓	✓	✓	✓
Cimarex Energy Co.	✓			✓	✓	✓	✓	✓
Cinergy	✓			✓	✓	✓	✓	✓
Cinergy Marketing and Trading	✓			✓	✓	✓	✓	✓
Cinergy Services, Inc.	✓			✓	✓	✓	✓	✓
Citigroup		✓						✓
Citizens Gas		✓					✓	✓
City Forest Corporation		✓						✓
City of Fort Stockton		✓						✓
Cleary Gottlieb		✓						✓
Cleco Power, LLC	✓			✓	✓	✓	✓	✓
Columbia Gas Transmission Corporation	✓			✓	✓	✓	✓	✓
Combine Net, Inc.		✓						✓
Commerce Energy Group	✓			✓	✓	✓	✓	✓
Comprehensive Energy Services	✓			✓	✓	✓	✓	✓
Compass Energy Services		✓						✓
Conectiv Energy Supply, Inc.	✓			✓	✓	✓	✓	✓



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	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
ConocoPhillips Gas and Power	✓			✓	✓	✓	✓	✓
Consolidated Edison Company of New York, Inc.	✓			✓	✓	✓	✓	✓
Consolidated Edison Company of NY	✓			✓	✓	✓	✓	✓
Constellation Energy Commodities Group, Inc.	✓			✓	✓	✓	✓	✓
Constellation Generation Group	✓			✓	✓	✓	✓	✓
Constellation NewEnergy, Inc.	✓			✓	✓	✓	✓	✓
Consumers Energy		✓						✓
Consumers Energy Company	✓			✓	✓	✓	✓	✓
CRA International		✓					✓	✓
Credit Suisse First Boston		✓					✓	✓
Cross-Sound Cable Co, LLC		✓						
Cullen and Dykman, LLP		✓					✓	✓
Dairyland Power Cooperative	✓			✓	✓	✓	✓	✓
Dauphin Island Gathering Partners	✓			✓	✓	✓	✓	✓
Day, Berry & Howard, LLP		✓		✓	✓			
Dean Health System		✓						✓
Decatur Memorial Hospital		✓						✓
Defense Energy Support Center	✓			✓	✓	✓	✓	✓
Department of Energy	✓			✓	✓	✓	✓	✓
Department of the Interior, US Bureau of Reclamation	✓			✓	✓	✓	✓	✓
Deseret Generation & Transmission Co-operative	✓			✓	✓	✓	✓	✓
Dewey Ballantine, LLP		✓		✓	✓	✓	✓	✓
Direct Energy Business Services	✓			✓	✓	✓	✓	✓
Dominion Cove Point LNG, LP		✓					✓	✓
Dominion Energy Marketing, Inc.	✓			✓	✓	✓	✓	✓
Dominion Exploration and Production, Inc.	✓		✓	✓	✓	✓	✓	✓
Dominion Resources	✓			✓	✓	✓	✓	✓
Dominion Retail	✓			✓	✓	✓	✓	✓
Dominion Retail, Inc.	✓			✓	✓	✓	✓	✓
Dominion South Pipeline Company, LP		✓					✓	✓
Dominion Transmission, Inc.	✓			✓	✓	✓	✓	✓
Dominion Virginia Power	✓			✓	✓	✓	✓	✓



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DPC Juniper		✓						✓
DTE Energy Company	✓			✓	✓	✓	✓	✓
Duke Energy Corp.	✓		✓	✓	✓	✓	✓	✓
Duke Energy Gas Transmission - Texas Eastern	✓			✓	✓	✓	✓	✓
Dynegy Power Marketing, Inc.	✓			✓	✓	✓	✓	✓
East Resources Inc.		✓						✓
Eastern Shore Natural Gas Company		✓					✓	✓
EC Power International	✓		✓	✓	✓	✓	✓	✓
Edison Electric Institute	✓			✓	✓	✓	✓	✓
Edison Mission Marketing & Trading, Inc.	✓			✓	✓	✓	✓	✓
EES Consulting		✓		✓	✓			
El Paso E & P, L.P.		✓					✓	✓
El Paso Exploration & Production Company	✓			✓	✓	✓	✓	✓
El Paso Industrial Energy, L.P.		✓					✓	✓
El Paso Marketing, L.P.		✓					✓	✓
El Paso Natural Gas	✓			✓	✓	✓	✓	✓
Electric Reliability Council of Texas (ERCOT)	✓			✓	✓	✓	✓	✓
ElectricCities of North Carolina (North Carolina Eastern Municipal Power Agency)	✓			✓	✓	✓	✓	✓
Electricity Consumers Resource Council (ELCON)	✓			✓	✓	✓	✓	✓
Elizabethtown College		✓						✓
Empire District Electric Company, The	✓			✓	✓	✓	✓	✓
EMS Pipeline Services		✓					✓	
Enbridge Energy			✓					✓
Enbridge Energy Company, Inc.	✓			✓	✓	✓	✓	✓
EnCana Corporation	✓			✓	✓	✓	✓	✓
EnCana Marketing (USA) Inc.	✓			✓	✓	✓	✓	✓
Enerdynamics LOC		✓						✓
Energy Advantage		✓						✓
Energy Corporation of America		✓					✓	✓
Energy East Management Corporation	✓			✓	✓	✓	✓	✓
Energy Gateway		✓						✓



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Energy Services Group, Inc.	✓			✓	✓	✓	✓	✓
Energy Today		✓		✓	✓			
Enogex, Inc.		✓					✓	✓
Entergy Services, Inc.	✓		✓	✓	✓	✓	✓	✓
Enterprise Products Partners, L.P.	✓	✓		✓	✓	✓	✓	✓
ENTESSA, LLC		✓					✓	✓
Equitable Gas Company	✓			✓	✓	✓	✓	✓
Equitrans, L.P.	✓			✓	✓	✓	✓	✓
Exceleron Software		✓					✓	✓
Exelon Corporation - PECO Energy	✓			✓	✓	✓	✓	✓
Exelon Energy	✓			✓	✓	✓	✓	✓
Exelon Energy Delivery	✓			✓	✓	✓	✓	✓
Exelon Generation - Power Team	✓			✓	✓	✓	✓	✓
Extendicare Health Services		✓						✓
ExxonMobil		✓					✓	✓
ExxonMobil Gas Marketing	✓			✓	✓	✓	✓	✓
Featherwood Capital		✓					✓	✓
Federated Dept. Stores		✓						✓
FirstEnergy Solutions Corp.	✓			✓	✓	✓	✓	✓
Florida Municipal Power Agency	✓			✓	✓	✓	✓	✓
Florida Power & Light Company	✓			✓	✓	✓	✓	✓
Florida Reliability Coordinating Council	✓			✓	✓	✓	✓	✓
Foothills Pipe Lines (SASK) Ltd.		✓					✓	✓
FPL Energy Services, Inc.		✓						✓
Frank F Lyman		✓						✓
Fulbright & Jaworski, LLP		✓					✓	✓
Gas Transmission Northwest Corporation	✓		✓	✓	✓	✓	✓	✓
GDS Associates Inc.		✓		✓	✓			
Georgia Transmission Corporation	✓			✓	✓	✓	✓	✓
Georgia-Pacific Corporation		✓						✓
Gibbs & Bruns, LLP		✓					✓	✓
Globeleq		✓						✓



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Great Lakes Gas Transmission	✓			✓	✓	✓	✓	✓
Greenberg Traurig		✓					✓	✓
Group 8760	✓			✓	✓	✓	✓	✓
Guardian Pipeline		✓					✓	✓
Gulf Gas Utilities Company		✓						✓
Gulf Power Company	✓			✓	✓	✓	✓	✓
Gulf South Pipeline	✓			✓	✓	✓	✓	✓
H S Resources Inc.	✓			✓	✓	✓	✓	✓
Helis Oil & Gas Company, LLC		✓						✓
Honeye Storage Corp. (Cullen and Dykman, LLP)		✓					✓	✓
Honeywell International		✓					✓	✓
Hydro - Quebec Transenergie	✓			✓	✓	✓	✓	✓
Hydro One Networks	✓			✓	✓	✓	✓	✓
Idaho Power Company	✓			✓	✓	✓	✓	✓
Imperial Irrigation District	✓			✓	✓	✓	✓	✓
Indiana Muncipal Power Agency	✓			✓	✓	✓	✓	✓
Indiana Office of Utility Consumer Counselor	✓			✓	✓	✓	✓	✓
Industrial Gas Resource Corporation		✓						✓
INOVIS		✓					✓	✓
International Business Associates		✓						✓
International LNG Alliance (Sweet Strategies)	✓			✓	✓	✓	✓	✓
International Malting Company - US		✓						✓
Interstate Gas Supply	✓			✓	✓	✓	✓	✓
Ipsen International, Inc.		✓						✓
Iroquois Gas Transmission System	✓			✓	✓	✓	✓	✓
IS Anderson & Associates Limited		✓						✓
ISO New England Inc.		✓		✓				
ITC Transmission	✓			✓	✓	✓	✓	✓
JCP Procurement LP		✓						✓
Jetta Production Co.		✓						✓
John C. Hilke		✓		✓				
Jones Day		✓			✓		✓	✓



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Kentucky Natural Gas Corporation		✓						✓
Kern River Gas Transmission Company	✓		✓	✓	✓	✓	✓	✓
Kerr McGee Oil & Gas Corp.			✓					✓
Kerr-McGee Oil and Gas Company	✓			✓	✓	✓	✓	✓
KeySpan Energy	✓			✓	✓	✓	✓	✓
Keystone Energy Partners, LP		✓						✓
Koch Industries, Inc.		✓					✓	✓
L-3 Communications		✓						✓
Laclede Gas Co.	✓			✓	✓	✓	✓	✓
Latham & Watkins, LP		✓						✓
Latitude Technologies	✓	✓		✓	✓	✓	✓	✓
Law Offices of Robert J. Rieth		✓						✓
LeClaire Mfg. Company		✓						✓
Lemle & Kelleher, LLP		✓					✓	✓
Leonard, Street, and Deinard		✓					✓	✓
LGI Energy Solutions		✓						✓
Lincoln Electric System		✓		✓	✓			
Little, Arthur D.		✓						✓
Los Angeles Department of Water & Power		✓	✓	✓	✓			✓
Louis Dreyfus Energy Services L.P.	✓			✓	✓	✓	✓	✓
Lower Colorado River Authority	✓			✓	✓	✓	✓	✓
Lukens Energy Group		✓						✓
Mack Services Group, The		✓				✓		
Macquarie Cook Energy, LLC	✓			✓	✓	✓	✓	✓
Madison Gas & Electric		✓						✓
Madison Metro Sewer District		✓						✓
Marathon Oil Company	✓			✓	✓	✓	✓	✓
Marston Law		✓					✓	✓
Maryland People's Counsel	✓			✓	✓	✓	✓	✓
Materials Processing, Inc.		✓						✓
McClymond, Ltd.		✓						✓
McGlone, Denise		✓						✓



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Company	Method of Access			Standards Products				
	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
McGuire Woods, LLP		✓			✓		✓	✓
Medicine Bow Operating Company		✓					✓	✓
Mercator Energy, LOC		✓					✓	✓
Merrill Lynch Commodities		✓					✓	✓
Mewbourne Oil Company	✓			✓	✓	✓	✓	✓
Michael Best & Friedrich, LLP		✓						✓
Michigan Electric Transmission Company LLC	✓			✓	✓	✓	✓	✓
Michigan Public Power Agency	✓			✓	✓	✓	✓	✓
MidAmerican Energy	✓			✓	✓	✓	✓	✓
MidAmerican Energy Company	✓			✓	✓	✓	✓	✓
Midstream Energy		✓						✓
Midwestern Gas Transmission		✓					✓	✓
Midwest Independent Transmission System Operator	✓			✓	✓	✓	✓	✓
Miller Mentzer, PC		✓					✓	✓
Mirant Energy Trading, LOC	✓			✓	✓	✓	✓	✓
Mission Gas Energy - Gas Supply		✓					✓	✓
Mississippi Power Company	✓			✓	✓	✓	✓	✓
Missouri River Energy Services	✓			✓	✓	✓	✓	✓
Mitsui & Co (USA) Inc.		✓						✓
Modesto Irrigation District	✓			✓	✓	✓	✓	✓
Momentum Energy Group, LOC		✓						✓
Montana Star Pipeline Company, LP		✓						✓
Morgan Lewis		✓					✓	✓
Morgan Lewis & Bockius, LLP		✓		✓	✓			✓
Motorola Inc.		✓						✓
MAPPCOR		✓		✓	✓			
MxEnergy		✓					✓	✓
National Association of Regulatory Utility Commissioners	✓			✓	✓	✓	✓	✓
National Fuel Gas Distribution	✓			✓	✓	✓	✓	✓
National Fuel Gas Distribution Corporation	✓			✓	✓	✓	✓	✓
National Fuel Gas Supply Corp.	✓		✓	✓	✓	✓	✓	✓



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Company	Method of Access			Standards Products				
	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
National Grid USA	✓			✓	✓	✓	✓	✓
National Rural Electric Cooperative Assoc.	✓			✓	✓	✓	✓	✓
Natural Gas Pipeline Co of America	✓			✓	✓	✓	✓	✓
Navigant Consulting, Inc.	✓			✓	✓	✓	✓	✓
NECC		✓						✓
NECC, LLC		✓						✓
New Jersey Natural Gas Company	✓			✓	✓	✓	✓	✓
New York ISO		✓		✓	✓			
New York State Dept. of Public Service	✓			✓	✓	✓	✓	✓
New York State Reliability Council	✓			✓	✓	✓	✓	✓
Nexen		✓						✓
Nexen Marketing		✓						✓
Niagara Mohawk	✓			✓	✓	✓	✓	✓
Niagara Mohawk Power Corporation	✓			✓	✓	✓	✓	✓
Nicor Enerchange, LLC		✓						✓
Nicor Gas	✓			✓	✓	✓	✓	✓
NiSource Inc.	✓			✓	✓	✓	✓	✓
Nixon Peabody LLP		✓					✓	✓
NJR Energy Services Company	✓			✓	✓	✓	✓	✓
North American Electric Reliability Council (NERC)	✓			✓	✓	✓	✓	✓
North Carolina Electric Membership Corporation	✓			✓	✓	✓	✓	✓
North Carolina Electric Municipal Power Agency #1	✓			✓	✓	✓	✓	✓
Northeast Utilities		✓		✓	✓			
Northeast Utilities Service Company	✓			✓	✓	✓	✓	✓
Northern Border Pipeline Company		✓					✓	✓
Northern California Power Agency		✓						✓
Northern Indiana Public Service Company (NiSource Inc.)	✓			✓	✓	✓	✓	✓
Northern Natural Gas	✓			✓	✓	✓	✓	✓
Northwest Natural Gas Company	✓			✓	✓	✓	✓	✓
Northwest Pipeline		✓					✓	✓
Northwestern Energy		✓		✓				



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Company	Method of Access			Standards Products				
	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
NOVA Gas Transmission Ltd.	✓			✓	✓	✓	✓	✓
Novus Energy, LOC		✓						✓
NrG Information Services, Inc.		✓					✓	✓
NSTAR Electric and Gas		✓		✓	✓			
Occidental Energy Marketing Inc. (OEMI)	✓			✓	✓	✓	✓	✓
Odyssey Energy Services		✓						✓
Office of Public Advocate, State of Maine	✓			✓	✓	✓	✓	✓
OG&E Electric Services		✓		✓				
Ohio Consumers Council	✓			✓	✓	✓	✓	✓
Ohms Energy Company, LOC		✓			✓			
OMV New Zealand Limited		✓						✓
ONEOK	✓			✓	✓	✓	✓	✓
ONEOK Partners GP, LLC (previously: Northern Plains Natural Gas Company, Inc.)	✓			✓	✓	✓	✓	✓
Ontario Power Generation	✓			✓	✓	✓	✓	✓
Open Access Technology International, Inc.	✓			✓	✓	✓	✓	✓
Otter Tail Power Company	✓			✓	✓	✓	✓	✓
Pacific Gas & Electric	✓			✓	✓	✓	✓	✓
PacifiCorp	✓			✓	✓	✓	✓	✓
Paine, Hamblen, Coffin, Brooke & Miller, LLP		✓		✓	✓			
Pale Global Energy Services, LOC		✓					✓	✓
Panhandle Eastern Pipe Line	✓			✓	✓	✓	✓	✓
PECO Energy Co.	✓			✓	✓	✓	✓	✓
Pemex Gas Y Petroquimica Basica	✓			✓	✓	✓	✓	✓
Pennsylvania Office Of Consumer Advocate	✓			✓	✓	✓	✓	✓
Peoples Gas Light & Coke Co.	✓			✓	✓	✓	✓	✓
Peoples Gas System	✓			✓	✓	✓	✓	✓
Petro-Hunt, LOC		✓					✓	✓
PG Energy		✓					✓	✓
PHI Power Delivery	✓			✓	✓	✓	✓	✓
Philadelphia Gas Works (APGA billing: Bert Kalisch)	✓			✓	✓	✓	✓	✓
Pierce Atwood LLP		✓						✓



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Company	Method of Access			Standards Products				
	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
Pine Needle		✓					✓	✓
Pipeline Consulting Corporation of Texas		✓					✓	✓
PJM Interconnection, LLC		✓		✓				
Platte River Power Authority	✓			✓	✓	✓	✓	✓
Platts	✓			✓	✓	✓	✓	✓
Plymouth Foam Inc.		✓						✓
Porter & Hedges, LLP		✓					✓	✓
Portland General Electric	✓			✓	✓	✓	✓	✓
Portland Natural Gas Transmission System	✓		✓	✓	✓	✓	✓	✓
Potomac Economics		✓		✓				
Powerex Corp.	✓			✓	✓	✓	✓	✓
Power Holdings of Illinois		✓					✓	✓
PPL Electric Utilities Corporation	✓			✓	✓	✓	✓	✓
PPL EnergyPlus, LLC	✓			✓	✓	✓	✓	✓
PPLSolutions, LLC	✓			✓	✓	✓	✓	✓
PPM Energy, Inc.			✓					✓
Progress Energy	✓			✓	✓	✓	✓	✓
Progress Energy (Regulated)	✓			✓	✓	✓	✓	✓
Project Consulting Services		✓						✓
Promet Energy Partners		✓			✓			
PSEG Energy Resources and Trade LLC	✓			✓	✓	✓	✓	✓
PSEG Power LLC	✓			✓	✓	✓	✓	✓
Public Service Company of North Carolina, Inc		✓						✓
Public Service Electric & Gas	✓		✓	✓	✓	✓	✓	✓
Public Service Electric & Gas Company	✓			✓	✓	✓	✓	✓
Puget Sound Energy, Inc.	✓			✓	✓	✓	✓	✓
Qualedi, Inc	✓			✓	✓	✓	✓	✓
Questar Pipeline Co.	✓			✓	✓	✓	✓	✓
Quorum Business Solutions Inc.	✓			✓	✓	✓	✓	✓
Rational Systems		✓					✓	✓
Regency Gas		✓						✓
Regency Gas Marketing, LP		✓						✓



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Company	Method of Access			Standards Products				
	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
Regency Gas Services Waha, LP		✓						✓
Regency Intrastate Gas, LOC		✓						✓
Regency Midcon Gas		✓						✓
Rockwell Lime Company		✓						✓
Sabine Pipe Line LLC	✓			✓	✓	✓	✓	✓
Sacramento Municipal Utility District	✓			✓	✓	✓	✓	✓
Salt River Project Agricultural Improvement and Power District	✓			✓	✓	✓	✓	✓
San Diego Gas & Electric		✓		✓	✓			
SASKPOWER		✓		✓	✓			
Saul Ewing LLP		✓						✓
SCANA Corporation	✓		✓	✓	✓	✓	✓	✓
SCANA Energy Marketing, Inc.		✓						✓
Sem Group LP		✓					✓	✓
Seminole Electric Cooperative, Inc.	✓			✓	✓	✓	✓	✓
Sempra Energy - Southern California Gas Co.	✓			✓	✓	✓	✓	✓
Sensient Flavors, Inc.		✓						✓
Sequent Energy			✓					✓
Sequent Energy Management, L.P.	✓			✓	✓	✓	✓	✓
Shannon, Martin, Finkelstein & Sayre, PC		✓						✓
Sierra Pacific Power Company		✓		✓				
Skadden Acps		✓					✓	✓
Slawson Exploration Company, Inc.		✓						✓
Smurfit Stone Container Enterprises, Inc.		✓						✓
SNL Financial		✓					✓	✓
SolArc Inc.	✓			✓	✓	✓	✓	✓
South Carolina Electric & Gas Company	✓			✓	✓	✓	✓	✓
Southeastern Power Administration	✓			✓	✓	✓	✓	✓
Southern California Edison	✓			✓	✓	✓	✓	✓
Southern California Edison Company	✓			✓	✓	✓	✓	✓
Southern Company Services	✓			✓	✓	✓	✓	✓
Southern Company Services, Inc.	✓			✓	✓	✓	✓	✓
Southern Natural Gas Co.	✓			✓	✓	✓	✓	✓



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Company	Method of Access			Standards Products				
	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
Southern Star Central Gas Pipeline	✓			✓	✓	✓	✓	✓
Southwest Gas Corporation	✓	✓		✓	✓	✓	✓	✓
Southwest Power Pool	✓			✓	✓	✓	✓	✓
Southwest Transmission Cooperative, Inc.	✓			✓	✓	✓	✓	✓
Southwestern Power Administration	✓			✓	✓	✓	✓	✓
Spiegel & McDiarmid		✓		✓	✓			
Sprague Energy Corp.	✓			✓	✓	✓	✓	✓
State of Oklahoma/Commissioners of the Land Office		✓						✓
Sterling Smith		✓					✓	✓
Steuben-Storage (Cullen and Dykman,LLP)		✓					✓	✓
Stroock and Stroock and Lavan, LLP		✓					✓	✓
Structure Group	✓			✓	✓	✓	✓	✓
SUEZ Energy Marketing NA, Inc.	✓			✓	✓	✓	✓	✓
Sullivan & Cromwell		✓						✓
Sunflower Electric Power Corporation	✓			✓	✓	✓	✓	✓
SunGard	✓		✓	✓	✓	✓	✓	✓
Sunrise Medical		✓						✓
Superior Natural Gas Corporation		✓						✓
Superior Water, Light & Power Company		✓					✓	✓
Sutherland, Asbill and Brennan, LLP		✓					✓	✓
Systrends USA	✓			✓	✓	✓	✓	✓
Tampa Electric Company	✓			✓				
Target		✓						✓
Telvent	✓			✓	✓	✓	✓	✓
Tenaska, Inc.	✓			✓	✓	✓	✓	✓
Tennessee Gas Pipeline Company	✓			✓	✓	✓	✓	✓
Tennessee Valley Authority	✓	✓		✓	✓	✓	✓	✓
Texaco Natural Gas, Inc.		✓						✓
Texas Gas Service		✓					✓	✓
Texas Gas Transmission, LLC	✓			✓	✓	✓	✓	✓
The Energy Authority		✓		✓	✓	✓	✓	✓
The United Illuminating Company		✓		✓	✓			



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	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
Theda Clark Regional Medical Center		✓						✓
Tiger Natural Gas	✓			✓	✓	✓	✓	✓
Total Gas & Power North America, Inc.		✓					✓	✓
Trans Ocean Energy Services		✓					✓	✓
TransCanada Pipelines	✓			✓	✓	✓	✓	✓
TransCanada Pipeline Ventures Limited Partnership		✓					✓	✓
Transcontinental Gas Pipeline		✓					✓	✓
TRANS-ELECT, INC.	✓			✓	✓	✓	✓	✓
Transquebec & Maritimes Pipeline, Inc.		✓					✓	✓
Travel Centers of America		✓						✓
Trinity Apex Solutions, Inc.	✓	✓		✓	✓	✓	✓	✓
Tri-State Generation and Transmission Association, Inc.	✓			✓	✓	✓	✓	✓
Turlock Irrigation District		✓					✓	✓
Tuscarora Gas Transmission Company		✓					✓	✓
Tucson Electric Power Company		✓						✓
TXU Electric Delivery	✓			✓	✓	✓	✓	✓
TXU Energy	✓			✓	✓	✓	✓	✓
TXU Energy Retail	✓			✓	✓	✓	✓	✓
U.S. Energy Services, Inc.		✓						✓
UBS Energy LLC	✓			✓	✓	✓	✓	✓
UGI Utilities, Inc.	✓		✓	✓	✓	✓	✓	✓
Union Gas	✓			✓	✓	✓	✓	✓
Union Oil Company of California		✓					✓	✓
United Illuminating Company		✓		✓	✓			
University of Texas Medical Branch		✓					✓	✓
Urban Energy Source, LLC		✓		✓	✓			✓
Van Ness Feldman		✓		✓			✓	✓
Vector Pipeline L.P.	✓			✓	✓	✓	✓	✓
Venica Gathering System		✓					✓	✓
Vermont Public Power Supply Authority	✓			✓	✓	✓	✓	✓
Viking Gas Transmission		✓					✓	✓



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Company	Method of Access			Standards Products				
	Member Access	Purchase	Class Attendee	WEQ Version 000	WEQ FTAA	Retail Version 1.0	WGO Version 1.7	WGO Contracts
Vinson & Elkins		✓					✓	✓
VMAC		✓						✓
Wal-Mart Stores, Inc.	✓			✓	✓	✓	✓	✓
Washington Gas Light Co.	✓			✓	✓	✓	✓	✓
We Energies (Wisconsin Electric)	✓			✓	✓	✓	✓	✓
Western Area Power Administration	✓			✓	✓	✓	✓	✓
Western Electricity Coordinating Council (WECC)	✓			✓	✓	✓	✓	✓
Westfield Gas & Electric Light Dept.	✓			✓	✓	✓	✓	✓
Westfield Group		✓						✓
White and Case		✓					✓	✓
Williams Gas Pipeline	✓			✓	✓	✓	✓	✓
Williams Power Company	✓			✓	✓	✓	✓	✓
Williston Basin Interstate Pipeline	✓			✓	✓	✓	✓	✓
Wisconsin Public Power Inc.	✓			✓	✓	✓	✓	✓
Wisconsin Public Service Corporation	✓			✓	✓	✓	✓	✓
Xcel Energy	✓	✓		✓	✓	✓	✓	✓
Xcel Energy Inc.	✓			✓	✓	✓	✓	✓
Yankee Gas		✓					✓	✓

NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

TAB 5

UPDATES ON SPECIFIC STANDARDS DEVELOPMENT EFFORTS

This section includes:

- OATT NOPR Reform Comments and Analysis – NAESB Comments
- Gas Quality Progress – Existing standards and subcommittee efforts to extend those standards (two recent work papers)
- Retail Invoicing – Request R05016
- Retail Contracts – Request R05013
- Wholesale Gas Base Contract – Differences adopted into the Base Contract
- Joint effort with Sandia National Laboratories – Summary of Effort
- Joint efforts with NERC – Process Outlined, will be used as background for JISWG, TLR and ATC/TTC Summary

The material presented is background information for the discussion of agenda item 3. No action by the Board is expected. Board members may use this opportunity to give guidance to the Executive Committee.



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August 7, 2006
Filed Electronically

The Honorable Magalie Salas
Secretary
Federal Energy Regulatory Commission
888 First Street N.E.
Washington, D.C. 20585

RE: Docket Nos. RM05-25-000 and RM05-17-000: "Preventing Undue Discrimination and Preference in Transmission Services"

Dear Ms. Salas:

The North American Energy Standards Board ("NAESB") herewith submits to the Federal Energy Regulatory Commission in the above-docketed case, an original electronic filing of the attached document entitled "COMMENTS OF THE NORTH AMERICAN ENERGY STANDARDS BOARD ON THE NOTICE OF PROPOSED RULEMAKING." The comments are voluntarily submitted by NAESB in response to Docket Nos. RM05-25-000 and RM05-17-000.

The report is being filed electronically in Adobe Acrobat® Print Document Format (.pdf). Please feel free to call me at (713) 356-0060 should you have any questions or need additional information regarding the comments provided.

Respectfully submitted,

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

cc: Chairman Joseph Kelliher, Federal Energy Regulatory Commission
Commissioner Sue Deen Kelly, Federal Energy Regulatory Commission
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission
Commissioner Marc Spitzer, Federal Energy Regulatory Commission
Commissioner Jon Wellinghoff, Federal Energy Regulatory Commission
Joe Stepenovitch, NAESB Chairman and CEO
William P. Boswell, NAESB General Counsel

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

Preventing Undue Discrimination and Preference) **Docket No. RM05-17-000**
In Transmission Services”) **Docket No. RM05-25-000**

COMMENTS OF THE NORTH AMERICAN ENERGY STANDARDS BOARD

The North American Energy Standards Board ("NAESB") is voluntarily submitting these comments in accordance with the Commission's Orders in the above referenced dockets. The comments include a matrix of possible standards development activities within NAESB.

Introduction

NAESB has reviewed the Notice of Proposed Rulemaking ("NOPR") of the above-referenced dockets and identified potential NAESB standards development efforts, as can be seen in the attached analysis matrix. The analysis matrix includes an identification of possible NAESB standards development tasks, with cross-references back to specific cites in the NOPR. A preliminary estimate of the level of effort for each task is included in the analysis, along with possible task interdependencies, and the potential for staging development of the standards.

We provided the comprehensive analysis as input for our preparation of standards development annual plans. Clearly, we will rely upon the final order but determined that for planning purposes, it was advisable to understand the type of standards development activities that may arise as a result both of this NOPR and possible related industry requests.

Identification of Potential NAESB Standards Development Efforts

The items included as potential standards development efforts in the attached analysis matrix were a result of: (1) a direct reading of the NOPR where NAESB was mentioned for potential standards development activities, (2) an understanding that existing NAESB business practices and OASIS standards might require modifications or enhancements based on the direction given in the NOPR, and (3) depending on the Commission decision on comments received, or of requests that may be developed by the industry related to the NOPR, changes to existing NAESB standards may be required or new NAESB standards might be developed.

To better explain the level of effort assessed for each task, we have provided a high level overview of our standards development process. It is more fully described in our Rules of Procedure.¹ During the review, there were two potential tasks for which we could not assess a level of effort – item 9 where clarification was needed and item 13 where depending on the comments received, there may be no need for standards development by NAESB. During the review, we also had issues raised regarding the posting of transmission studies. For some, it was interpreted as requiring only an acknowledgement that a study was performed be posted, while others interpreted that not only acknowledgement of a study’s completion, but also that the studies themselves, including assumptions, should be posted. Hence, the language in the matrix which makes use of the “may” phrase in a number of places.

In review of changes to improve OASIS systems, NAESB received request R05026² which may address some of the issues on reform proposed to improve the ability to redirect

¹ The NAESB Rules of Procedure can be found on the NAESB web site at the following hyperlink: http://www.naesb.org/pdf/operating_procedures.pdf.

² Request R05026 was originally drafted by Calpine and Dynegy, and can be found on the NAESB web site at the following hyperlink: <http://www.naesb.org/pdf2/r05026.doc>. It is currently under review by the NAESB Standards

transmission service; however, this request is expected to require significant work. The request is still in the evaluation process within NAESB. As such it is not specifically identified in the matrix.

As many of the potential standards development efforts considered are postings on OASIS sites, in assessing the level of effort for a given development task, NAESB has made assumptions that informational postings are adequate unless specifically noted as requiring query functions or other functions that would entail standardizing the informational content of a posting. Informational postings are assumed to be navigational in nature – including standardized titles and a standardized means to access the data from the OASIS sites. The standards may also address the content of the posting and the frequency of updates. More comprehensive standardization to support querying would require specific content description with defined data elements and formatting, and possibly include the development of templates.

Clarification Requested on Posting of Narrative Explanation for Available Transfer Capability (“ATC”) Changes

For item 9 in the matrix, the requirement to post a narrative explanation for the reason for changes in the monthly and yearly ATC values, it was not clear how to assess the level of standardization needed to support such postings. Does this requirement to post a narrative explanation extend to all occurrences of reservations confirmed or terminated on a constrained path? If so, the monthly and yearly ATC values may change multiple times per day, thus resulting in multiple narrative explanations posted each day, for each impacted path. Depending

Review Subcommittee. The subcommittee has been charged with preparing a scoping document for the request as part of its evaluation.

on the number of constrained paths in a provider's system, the amount of data could be substantial.

NAESB Standards Development Process

Once standards development work has been assigned by the Executive Committee ("EC") to a given subcommittee, the subcommittee convenes open meetings posted in advance for all interested parties to attend either in person or by telephone. Web casting is often also used, particularly as proposed standards language is being edited. The subcommittees are only charged with work as assigned by the EC and consistent with the NAESB governance documents (certificate and bylaws³).

The standards development subcommittees reach decisions on their recommended standards language through discussion, informal comment periods where the recommended language or questions are posted publicly and noticed for comment for any interested party to respond, and ultimately through balanced voting, where each segment is afforded the same level of influence on the outcome. Once recommended language is finalized by the subcommittee, the recommendation is sent out for a 30-day formal industry comment period. Any interested party can respond with comments. The recommendation and all comments received are forwarded to the Executive Committee (EC) for its consideration and vote to approve. The dates of EC meetings are posted in advance, all work papers including recommendation are publicly available from the NAESB web site, and the meetings themselves are transcribed, open to any interested party, and can be attended via conference calling. After EC approval, the standards must be ratified by the general membership through another super-majority vote. The

ratification period is also 30 days. Once ratified, the standard is filed with the Commission if it is jurisdictional, and it is considered a final action until it is published. The standards development process outlined above has been certified by the American National Standards Institute and NAESB is considered an ANSI Standards Development Organization.

Together, the formal industry comment period and the ratification period add a two-month window into all standards development timelines. Also impacting the timeline of standards development is coordination with the North American Electric Reliability Council (“NERC”) for those standards such as the ones impacting ATC or Transmission Loading Relief, where it has been decided that joint development is required.

The timelines and process outlined in this section of the comments addresses NAESB development of the standards – it does not address the implementation of those standards by the industry. Implementation by the industry may require testing between trading partners, changes to internal systems and changes to operational and administrative procedures.

Level of Effort Estimated for Each Development Task

For each task that may require NAESB standards development, a preliminary ranking was given in the matrix as shown below:

Difficult: The development effort may require 10-15 days of focused meetings, at least two informal comment periods and one formal comment period. The difficult ranking is given to those efforts where several business models exist in the industry and decisions

³ The NAESB Certificate of Incorporation and Bylaws can be found on the NAESB web site at the following hyperlinks: <http://www.naesb.org/pdf/naesbcert050503.pdf> (Certificate) and <http://www.naesb.org/pdf/naesbbylaws.pdf> (Bylaws).

are to be made of either developing one best practice or a practice that incorporates several regional or operational choices.

Moderate: The development effort may require 3-5 days of focused meetings, one informal comment period, one formal comment period. The effort can be accomplished during the normal activities of the subcommittee to which it is assigned.

Maintenance: The development effort is primarily composed of straightforward changes to existing NAESB standards. It can be accomplished in one day or less of meetings with one informal comment period if needed. It will require one formal comment period. Many of these tasks can be batched together to be processed more efficiently.

Many of the tasks identified in the matrix can be addressed concurrently, but where a task is considered dependent on another, it is so noted. Where staging development is possible so as not to strain the volunteer resources that comprise the NAESB standards development subcommittees, it is also noted in the matrix.

In order to meet the above timeframes for standards development, we would appreciate as much guidance and clarity as possible in the final order. The clarity and guidance would certainly benefit our process by reducing the ambiguity and leaving less room for interpretation, thus expediting the development of business practice standards. Without the clarity that can be provided specific to standards development efforts, the standards development committees could spend additional time and resources debating the meaning and requirements, before addressing the primary task at hand – developing business practices in support of the final order.

Conclusions

We appreciate the opportunity to comment on this NOPR and look forward to the continuation of its regulatory process. We understand that our matrix is comprehensive and includes the identification of items that may not be needed once the Commission determines a course of direction after considering the industry comments submitted. We also recognize that some of the items in the matrix are more subjective in nature, and while NAESB standards development may not be required to support the final order, the industry may choose to submit related requests for standards development to support the efficient and transparent working of the wholesale electric market. We value the confidence of the Commission in its recognition of NAESB as a standards setting body for business practices and for the support of standardizing aspects of OASIS web sites, and will support all requests to NAESB for standards development from the Commission as part of this order.

ATTACHMENT

**Analysis of Docket Nos. RM05-17-000 and RM05-25-000
Potential NAESB Standards Development Efforts**



Analysis of Docket Nos. RM05-17-000 and RM05-25-000 – Potential NAESB Standards Development Efforts

Item	Cite	Description of Potential NAESB Standards Development Effort/ Preliminary Assessment of Level of Difficulty
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Consistency and Transparency of Available Transfer Capability (“ATC”) Calculations

- | | | |
|---|-------------------------|--|
| 1 | 51
127
148
156 | <p>The consistency and transparency of ATC calculations is clearly both a NERC and NAESB effort. It is being worked on jointly and corresponds to:</p> <ul style="list-style-type: none"> • NAESB request R05004¹ (revised) “Develop transmission service request and scheduling standards using TTC/ATC/AFC and CBM/TRM” • NAESB request R05019² “Modify OASIS standards an S&CP to clearly document the procedures used to implement the displacement/interruption terms of the pro forma tariff” • and two North American Electric Reliability Council (“NERC”) Standard Authorization Requests (“SARs”): Standard Revision to Existing Standard MOD001-0, and Standard Revision to Standards MOD004, MOD005, MOD006, MOD008, and MOD009 |
|---|-------------------------|--|

There are several new items that were not included in our request and will be brought before the Wholesale Electric Quadrant Executive Committee of NAESB (“EC”) to expand the scope of the request to include the new items should they be part of the final order.³ If they are not part of the final order, the EC will be asked if they still see value in pursuing the standards development efforts. We understand that the new items that are required through the NOPR have not been identified as requirements for complementary business practices to the reliability standards for ATC. As such, for those items listed below we recommend staging both the development of the standards and the implementation by the industry. The new items are shown following as items 2 through 9:

- | | | |
|---|-----|--|
| 2 | 155 | <ul style="list-style-type: none"> • Along with “transparency” requirement, there may be additional OASIS posting requirements to document methodology – assume this posting to be more “free-form” like Standards of Conduct, than the standardization |
|---|-----|--|

Effort for new items: Maintenance. Most of the new items are either Moderate or maintenance as the bulk of the development work is to be addressed by NERC. These items

1 Request R05004, amended on December 12, 2005, can be accessed from the NAESB web site at the following hyperlink: http://www.naesb.org/pdf2/r05004_revised121205_redline.doc.
 2 Request R05019, submitted on June 24, 2005 and approved for standards development on September 19, 2005, can be accessed from the NAESB web site at the following hyperlink: <http://www.naesb.org/pdf2/r05019.doc>.
 3 The Wholesale Electric Quadrant is considering modifications to request R05004 at its meeting on August 15, 2006. The revised request is posted on the NAESB web site, and can be accessed through the following hyperlink: http://www.naesb.org/pdf2/weq_ec081506w1.doc.



Analysis of Docket Nos. RM05-17-000 and RM05-25-000 – Potential NAESB Standards Development Efforts

Item	Cite	Description of Potential NAESB Standards Development Effort/ of the informational content of business transactions (i.e., templates).	Preliminary Assessment of Level of Difficulty can be addressed concurrently.
3	158	<ul style="list-style-type: none"> • NAESB ETC companion business practices 	<p>Effort for new items: Maintenance. NERC has identified the ETC definition to be included in the ATC calculation; NAESB may need to develop complementary business practices.</p>
4	158	<ul style="list-style-type: none"> • Additional OASIS business practices may be needed for the posting of information in native load use of transmission 	<p>Effort for new items: Moderate. This may include business practice development for transmission commitments, specifically components to be included in ETC.</p>
5	161 162 163	<ul style="list-style-type: none"> • CBM OASIS business practice development will be required and: <ul style="list-style-type: none"> (i) May require new OASIS transaction to allow an LSE to “call” on CBM (ii) Possibly separate rate schedule for CBM set-aside (iii) Elimination of CBM and introduction of new transfer capability reservation for designated network resources 	<p>Effort for new items: Moderate. This is not included in the original request although we understand that NERC is preparing reliability standards to support CBM.</p>
6	168	<ul style="list-style-type: none"> • Calculation and frequency of posting ATC calculations 	<p>Effort for new items: Maintenance.</p>
7	169	<ul style="list-style-type: none"> • Coordination and data exchange may require business practices for existing transmission reservations including counterflows, ATC calculation frequency, Source/sink modeling identification 	<p>Effort for new items: Moderate.</p>
8	181	<ul style="list-style-type: none"> • Informational postings may be required to complement the reliability standards MOD-001 for development of consistent methodologies for ATC/TTC/AFC. In addition, NAESB business practices may be needed to determine which information should be posted to support ATC/TTC/AFC. 	<p>Effort for new items: Maintenance.</p>
9	186	<ul style="list-style-type: none"> • Posting ‘narrative’ explanation for changes in ATC values is required. Providing the mechanism for a standardized navigation to access the narratives would not be difficult, but the significance of this item is in the possible burden that changes to the ATC values may change multiple times per day. 	<p>Effort for new items: Moderate, depending on the clarification of posting requirements.</p>



Analysis of Docket Nos. RM05-17-000 and RM05-25-000 – Potential NAESB Standards Development Efforts

Item	Cite	Description of Potential NAESB Standards Development Effort/ Preliminary Assessment of Level of Difficulty
TRANSMISSION PLANNING – COORDINATED OPEN AND TRANSPARENT PLANNING		
10	52 214.8	At a minimum there may be a requirement to post a list of completed congestions studies on OASIS which is related to the requirements for coordinated, open and transparent transmission planning. Effort: Maintenance. For the informational posting this effort is reasonable and can be done in the normal course of business of a standards development committee. Items 1-7 cited in section 214 are considered either NERC reliability efforts or regional reliability efforts and should not require the development of complementary business practices or OASIS changes.
11	214.4	The business practices development to support information exchange and the submission of network customer load and resource information and point-to-point customer usage projections is addressed in request R04006E ⁴ , but may require modifications related to the frequency of submission and updating of information. Effort: Moderate.
TRANSMISSION PRICING		
12	53 238	Initially the energy and generator imbalance charges may require posting of information on the OASIS sites. Until the tariff language is drafted that addresses how the charges must be tailored to encourage accurate scheduling behavior, we will not know if business practices will be needed. OASIS S&CP changes may be called for if this is considered a new service to be reserved (ancillary services). Effort: Moderate. For the posting, this effort is reasonable and can be done in the normal course of business of a standards development committee.
13	245	Treating inadvertent interchange differently than energy and generator imbalances, and depending on the decision of the Commission in the final order regarding whether the NAESB standards on inadvertent interchange are sufficient or require changes, may require modifications to existing standards. Effort: Unknown. Depending on the decision of the Commission whether to change the policy governing inadvertent interchange may require business practice modifications which cannot be gauged until the commission reaches decisions on comments submitted.
14	53 270	Capacity reassignment including removing the price cap and allowing negotiated rates could require posting standards for the OASIS sites, and significant functions added to support such postings. This will require a more comprehensive standards solution, which may include data aggregation by the transmission provider, reports Effort: Difficult. Posting is more complicated if the TP is required to post information given to it by a marketer on its non-standards products.

⁴ Request R04006E submitted on and approved for standards development on ,may be accessed from the NAESB web site at the following hyperlink: <http://www.naesb.org/pdf/r04006.pdf>



Analysis of Docket Nos. RM05-17-000 and RM05-25-000 – Potential NAESB Standards Development Efforts

Item	Cite	Description of Potential NAESB Standards Developed Effort/ Preliminary Assessment of Level of Difficulty
	276	prepared and posted quarterly including how the information is communicated between the transmission provider and marketer for collection, submittals of quarterly reports from the transmission provider to FERC, changes to the OASIS S&CP, and determination of informational content and design of templates.
NON-RATE TERMS AND CONDITIONS – POINT TO POINT		
15	54, 305, 309, 314, 317-8, 321-4, 331-2	Improvements to Point-to-Point Service may require changes to the business practices for Transmission Loading Relief to support conditional firm service. Because there is insufficient information on redispatch, it is unclear what if any business practices, changes to OASIS for posting, or changes to the OASIS S&CP, including template changes or creation will be required. Effort: Difficult. OASIS BPs and OASIS S&CP to support conditional firm service, the effort may be moderate. To implement conditional firm service into Transmission Loading Relief, this effort may be significant. If conditional firm service product is not defined clearly in the order, the ambiguity will contribute to the level of effort required. Should redispatch be implemented along the lines outlined in the SPP filing, the effort will be comprehensive and significant.
16	58	Develop business practices and OASIS S&CP changes to support miscellaneous OATT improvements including: (1) Reservation priorities: changes to the priority rules to give priority to pre-confirmed transmission service requests submitted in the same time period, and to add price as a tie-breaker in determining reservation queue priority when the transmission provider is willing to discount transmission service. (2) Hourly Firm: Require transmission providers to offer hourly firm service under the pro forma OATT. (3) Extend the terms of service and notice periods associated with the OATT rollover rights to protect native load adequately. Effort: Moderate. OASIS BPs and OASIS S&CP changes to support hourly services, reservation priorities and terms for OATT rollover rights, the effort could be moderate.
17	343 344 345	Staging: The underlying related effort to develop business practices for displacements is significant as related to R05019 (see item 1, cite 156). Provide business practices and OASIS S&CP changes to support batching for hourly firm service. Business practices would include definition of batching of multiple hours with/without varying capacity. Effort: Moderate. OASIS BPs and OASIS S&CP changes to support batching for hourly services could be moderate once the definition for batching is determined.
18	349 356 358	Develop business practices to support the transmission provider identification of future limitations to rollover rights due to native load growth, and for posting of computation methods and results to demonstrate forecasted native load growth and impact on customers with rollover rights. Effort: Moderate. Business practices may be needed for rollover rights which could impact ATC standards, planning standards and OASIS standards including the OASIS S&CP. The clarity provided with the final order should assist in



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Attachment: Matrix of Potential NAESB Standards Development Efforts
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Analysis of Docket Nos. RM05-17-000 and RM05-25-000 – Potential NAESB Standards Development Efforts

Item	Cite	Description of Potential NAESB Standards Development Effort/ Preliminary Assessment of Level of Difficulty
19	187	Minimal business practice standards and OASIS S&CP changes will be needed to support increasing the retention period for OASIS audit data specific to denial of request for service and for transmission service information for audits. The data must be downloadable. There may be changes also to the OASIS S&CP. Effort: Maintenance.
20	347	Minor modification to request R05019 is required to include displacements/interruptions as an additional tier of firm service to support hourly firm service. Changes to the request will also be required to support Transmission Loading Relief changes to support hourly firm service. Effort: Moderate.
21	371 367	Business practices are already under development and should conclude in the next few months with voting and adoption for the modification of receipt and delivery points to support redirect of service. Effort: Maintenance . OASIS BPs and OASIS S&CP are developed and being modified as a part of WEQ Standard 001-9 and 001-10. This should be completed before the order is finalized. Effort: Moderate. OASIS Standard 001-9.7 may require changes which could be reasonably accommodated through the normal course of business of standards development committee. Effort: Moderate.
22	369	As determined in the final order resulting from comments submitted, changes may be required to NAESB WEQ Standards 001-97 addressing redirects and rollovers. Effort: Moderate.
23	372	Reforms identified in the final order for redirects may require development of new business practices or changes to existing ones. Effort: Difficult. These are significant changes not only for the standards to be developed in NAESB, but also for the industry to implement such changes. Some of the work may be encompassed in R04006E. Network services are implemented in the industry in a variety of methods, which should be reviewed to determine if a best practice is the best
NON- RATE TERMS AND CONDITIONS –NETWORK SERVICES		
24	55	Develop business practices, design of templates and changes to the OASIS S&CP to support functions for network services as proposed for the following: Effort: Difficult.
189		(1) require transmission providers and their network customers to use the transmission provider's OASIS to request designation of a new network resource and to terminate the designation of an existing network resource, which should also be employed to substitute one designated network resource for another (comparable to redirecting in



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Item	Cite	Description of Potential NAESB Standards Development Effort/ point-to-point service).	Preliminary Assessment of Level of Difficulty
	189	(2) require the transmission provider to modify its OASIS so that requests to designate and terminate a network resource can be queried.	approach or if standards should be developed that address both regional and operational differences.
	434	(3) require the transmission provider to post on its OASIS a list of its current designated network resources and all network customers' current designated network resources.	Staging: This will probably require staging of development – first to develop business practices, followed by technical standards, filing with FERC and then industry implementation after FERC review and consideration.
	58	(4) Designation of network resources. Clarifications to the types of agreements that may be designated as network resources, the process for verifying whether agreements meet the requirements in the pro forma OATT, and the requirements for transmission providers to designate and undesignate network resources, including the requirements for customers to submit an attestation with each application to designate a new network resource.	
	58	(5) Clarifications related to network service. We propose to clarify that a network customer may not use secondary network service to bring energy onto its system to support an off-system sale if the purchased power does not displace the customer's own higher cost generation. We also propose clarifications related to use of network service on an "as available basis" and to "redirects" of network service.	
	408-9	(6) Qualification for network resources.	
	413-4	(7) Documentation for network resources.	
	422-3	(8) Undesignation of network resources.	
25	427-8	Develop OASIS business practice to support secondary network services including use of the concept of "economy energy."	Effort: Moderate. OASIS BPs and OASIS S&CP to modify queue processing could be reasonably addressed in the normal course of business of a standards development committee.
	432		Staging: However, we should take into account that the network services standardization described above should be completed first before development of standards for secondary network services can begin.

NON-RATE TERMS AND CONDITIONS –OTHER

26 56 Increases in transparency to lessen the opportunities to discriminate and reduce transaction costs will require new NAESB business practices, changes to OASIS and to the OASIS S&CP to require transmission providers to post on require moderate efforts from NAESB to develop standards



Analysis of Docket Nos. RM05-17-000 and RM05-25-000 – Potential NAESB Standards Development Efforts

Item	Cite	Description of Potential NAESB Standards Development Effort/	Preliminary Assessment of Level of Difficulty
		OASIS all their business rules, practices and standards that relate to transmission services provided under the pro forma OATT.	but could require significant efforts from the industry to implement such changes.
27	195	Develop standards for consistent methods of posting new requirements on OASIS so that a common format is used.	Effort: Moderate. Typically informational postings are straightforward and should address navigational standards, titling standards for documents, frequency of updates, and description of general content. If the postings require querying, then design of templates and more proscriptive definitions for information requirements are needed.
28	389	Develop business practices to log actions taken under the queue flooding and queue hoarding business practices	Effort: Maintenance. OASIS BPs and OASIS S&CP to support logging would be relatively minor and could be reasonably addressed in the normal course of business of a standards development committee.
29	393	Develop business practices if needed to support additional standardization of the queue processing at an outcome of the comments submitted and Commission decision provided in the final order.	Effort: Moderate. OASIS BPs and OASIS S&CP to modify queue processing could be relatively minor and could be reasonably addressed in the normal course of business of a standards development committee depending on the decisions outlined in the final order.
30	399-401	Develop business practices and technical standards to support modifications to changes to the first-come, first-serve approach on OASIS sites by utilizing a 5-minute window. The development may impact priority rules and may require the design of a tie-breaker.	Effort: Moderate. Depending on the solutions outlined in the final order, this development effort may be significant.
31	455	Develop informational postings for OASIS to post supplemental credit guides or manuals to the basic elements in Attachment L of the OATT.	Effort: Maintenance. The posting changes are informational in nature – the effort can be reasonably addressed in the normal course of business for a standards development committee.
32	58	Develop business practices to support OATT definitions for:	Effort: Moderate. Definitions, glossary changes and review of existing base of standards for consistency could be reasonably addressed in the normal course of business of a standards development committee depending on the decisions
	461	(1) Good Utility Practice	
	462	(2) Non-Firm Sales	



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Item	Cite	Description of Potential NAESB Standards Development Effort/ Preliminary Assessment of Level of Difficulty
	463	(3) Affiliate outlined in the final order for guidance on the definitions needed.
	463	(4) Pre-confirmed Application
	345	(5) Batching
	457	(6) Reliable Operations

and update the NAESB glossary with the resulting definitions. The definitions should also be reviewed for context against existing NAESB business practices.

ENFORCEMENT

33	57	Strengthening enforcement of the pro forma OATT will require NAESB to make changes and create standards to support a number of posting and reporting requirements that will provide the Commission and market participants with information about each transmission provider's performance of pro forma OATT obligations (for example, requiring transmission providers to post specific performance metrics related to their completion of studies required under the pro forma OATT). In addition, the OASIS S&CP will require changes to support transmission information kept on OASIS to be retained for audit purposes for five years.	Effort: Moderate. the posting changes are informational in nature – the effort can be reasonably addressed in the normal course of business for a standards development committee. The postings take the form of studies (57) or performance metrics (193). While the effort to prepare standards for informational postings is more of a moderate task or in the nature of maintenance, due to the number of new informational postings, the efforts are cumulative and could result in significant work.
	382-3	The informational postings will be required for transmission providers to post on OASIS certain metrics related to the provision of transmission service under the pro forma OATT. Specifically, proposed are the requirements: (1) to require transmission providers to post data each month concerning transmission service requests associated with particular paths or flowgates that would clearly identify the number of requests that have been accepted and the number of requests that have been denied during the prior month. The posted data would show: (1) the number of non-affiliate requests for transmission service that have been rejected and (2) the total number of non-affiliate requests for transmission service that have been made. This posting would distinguish between the length of the service request (e.g., short-term or long-term requests) and between the type of service requested (e.g., firm point-to-point, non-firm point-to-point or network service).	If queries are needed, the effort increases as template design will be required in addition to the informational postings. The change to support the retention of data is administrative for NAESB, but the effort to aggregate data may be significant for some industry participants and the volume of data open for review and verification could be a significant and repetitive time commitment.
	385	(2) to require that the transmission provider post similar information for affiliate transactions. In other words, the transmission provider would also post: (1) the number of affiliate requests for transmission service that have been rejected, and (2) the total number of affiliate requests for transmission service that have been made. Similarly, this posting would distinguish between the length of the service request (e.g., short-term or long-term requests) and	
	193		



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Item	Cite	Description of Potential NAESB Standards Development Effort/ between the type of service requested (e.g., firm point-to-point, non-firm point-to-point or network service).	Preliminary Assessment of Level of Difficulty
451		Develop business practices and informational postings for transmission providers to post on OASIS all of their rules, standards and practices that relate to transmission services.	A complication to this item is the uncertainty of the types of information meant by “that relate to transmission services.”



NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 10/20/04

**Requester: Florida Power & Light Co. Request No.: R03035(A)
with standards numbers assigned**

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 MAINTENANCE

Per Request:

- Initiation
- Modification
- Interpretation
- Withdrawal

- Principle (x.1.z)
- Definition (x.2.z)
- Business Practice Standard (x.3.z)
- Document (x.4.z)
- Data Element (x.4.z)
- Code Value (x.4.z)
- X12 Implementation Guide
- Business Process Documentation

Per Recommendation:

- Initiation
- Modification
- Interpretation
- Withdrawal

- Principle (x.1.z)
- Definition (x.2.z)
- Business Practice Standard (x.3.z)
- Document (x.4.z)
- Data Element (x.4.z)
- Code Value (x.4.z)
- X12 Implementation Guide
- Business Process Documentation

3. RECOMMENDATION

SUMMARY:

Modify the following NAESB WGQ Standard:

4.3.23

Add the following NAESB WGQ Principle:

4.1.40

Add the following NAESB WGQ Standards:

4.3.89, 4.3.90, 4.3.91, 4.3.92


NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 10/20/04

**Requester: Florida Power & Light Co. Request No.: R03035(A)
with standards numbers assigned**

STANDARDS LANGUAGE:
Modified Standard:

4.3.23 Transportation Service Providers should establish an Informational Postings Web site accessible via the Internet. The subcategories and labels for the categories of Informational Postings should be as follows:

CATEGORIES

Capacity

Energy Affiliate Info

Gas Quality

Index of Customers

Non-discrimination Rqts

Notices

Organizational Charts

Posted Imbalances

Tariff

Transactional Reporting

SUBCATEGORIES

Operationally Available

Unsubscribed

Capacity Allocation Log (when applicable)

Employee Transfers

Names and Addresses

Potential Mergers

Shared Facilities

Discounts

Emergency Deviations

Implementation Procedures

Information Disclosure

Tariff Discretionary Actions

Critical

Non-Critical

Planned Service Outage

Title Page

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Preliminary Statement

Map

Currently Effective Rates

Rate Schedules

General Terms and Conditions

Form of Service Agreement

Entire Tariff

Sheet Index

These categories and labels should appear in the order specified above and before any others.

Principle:

4.1.40 For any location(s), the Transportation Service Provider (TSP) may, at its discretion, elect to provide gas quality information in addition to that specified in NAESB WGQ Standard No. 4.3.90. The TSP may choose how to provide the information.


NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 10/20/04

**Requester: Florida Power & Light Co. Request No.: R03035(A)
with standards numbers assigned**

Standard:

4.3.89 A Transportation Service Provider (TSP) should provide on its Informational Postings Web Site a link to the natural gas quality tariff provisions (or where no tariff exists in the general terms and conditions) or a simple reference guide to such information.

Standard:

4.3.90 The Transportation Service Provider (TSP) should provide on its Informational Postings Web Site daily average gas quality information for prior gas day(s), to the extent available, for location(s) that are representative of mainline gas flow. The information available for the identified location(s) should be provided in a downloadable format. Information should be reported in units as specified in the tariff or general terms and conditions. In any event, compliance with gas quality requirements is in accordance with the TSP's tariff or general terms and conditions.

The following are examples of gas quality attributes that could be included in the posting for the applicable Gas Day(s) and location(s):

- Heating Value
- Hydrocarbon Components, % of C1 – Cnn, as used in determining Heating Value
- Specific Gravity
- Water
- Nitrogen
- Carbon Dioxide
- Oxygen
- Hydrogen
- Helium
- Total Sulfur
- Hydrogen Sulfide
- Carbonyl Sulfide
- Mercaptans
- Mercury and/or any other contaminants being measured
- Other pertinent gas quality information that is specified in the TSP's tariff or the general terms and conditions.



NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 10/20/04

**Requester: Florida Power & Light Co. Request No.: R03035(A)
with standards numbers assigned**

Standard:

4.3.91 Data provided pursuant to NAESB WGQ Standard No. 4.3.90 should be made available on the Transportation Service Provider's Web Site for the most recent three-month period. Beyond the initial three-month period, the historical data should be made available offline in accordance with regulatory requirements.

Standard:

4.3.92 Data provided pursuant to NAESB WGQ Standard No. 4.3.90 should be provided in a tabular downloadable file to be described by the Transportation Service Provider. The first row of the file should contain the column headers.

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

No technical changes needed.

**NATIONAL FUEL GAS DISTRIBUTION
WORKPAPER FOR 9/11/06 BPS MEETING – R06008**

Attached are the latest set of proposed modifications to Standard 4.3.90 and proposed standards 4.3.x1 and 4.3.x2. I am withdrawing proposed Standard 4.3.x3. Since the last meeting, there has been collaboration with representatives of both the pipeline segment and producer segment; the results of which are reflected in the modifications to 4.3.90 and 4.3.x2, respectively.

For 4.3.x1, the pipeline segment had proposed qualifying provision of the Wobbe similarly to the qualification of CHDP/C6+ GPM in 4.3.x2. While I have no issue with the addition of the qualifier, I could not accept their qualifier because discussion to develop tariff-based gas quality interchangeability provisions requires historical Wobbe data. This is a simpler calculation than that required for CHDP and in the interest of productive discourse to develop tariff language, historical (and current) Wobbe data is essential. That said, there are no doubt some TSPs where interchangeability will not be an issue. The challenge is to develop a proper balance.

For that, I looked to the “Joint Statement of the American Gas Association and the Interstate Natural Gas Association of America,” filed on June 2, 2006, that is referenced in footnote 58 of the POLICY STATEMENT ON PROVISIONS GOVERNING NATURAL GAS QUALITY AND INTERCHANGEABILITY IN INTERSTATE NATURAL GAS PIPELINE COMPANY TARIFFS (Issued June 15, 2006). I’ve taken the liberty of highlighting the appropriate sections of the Joint Statement that I believe support the balance I’ve tried to strike in redrafting 4.3.x1.

M. Novak
9/8/2006

NATIONAL FUEL GAS DISTRIBUTION WORKPAPER FOR 9/11/06 BPS MEETING – R06008

Proposed changes to Standard:

4.3.90 The Transportation Service Provider (TSP) should provide on its Informational Postings Web Site daily average gas quality information for prior gas day(s), to the extent available, for location(s) that are representative of mainline gas flow. The information available for the identified location(s) should be provided in a downloadable format. Information should be reported in units as specified in the tariff or general terms and conditions. In any event, all applicable parties' compliance with gas quality requirements is in accordance with the TSP's tariff or general terms and conditions.

Listed below ~~The following~~ are examples of gas quality attributes ~~that could be included in the posting for the applicable Gas Day(s) and location(s):~~

- Heating Value
- Interchangeability Index(ces)
- Hydrocarbon Liquid Drop Out control parameter(s)
- Hydrocarbon Components, % of C1 – Cnn, as used in determining Heating Value
- Specific Gravity
- Water
- Nitrogen
- Carbon Dioxide
- Oxygen
- Hydrogen
- Helium
- Total Sulfur
- Hydrogen Sulfide
- Carbonyl Sulfide
- Mercaptans
- Mercury and/or any other contaminants being measured
- Other pertinent gas quality information that is specified in the TSP's tariff or the general terms and conditions.

Proposed Standard 4.3.x1:

For data provided pursuant to NAESB WGQ Standard No. 4.3.90, a Transportation Service Provider (TSP), upon notification from a customer or other applicable party of its desire to begin discussing interchangeability of gas supplies, should endeavor to calculate a Wobbe Number for location(s) that are representative of mainline gas flow. As soon as practical, but no later than the initiation of discussions to develop tariff-based gas quality interchangeability provisions, a TSP should provide a Wobbe Number for location(s) that are representative of mainline gas flow. Where a TSP uses an alternative method to characterize interchangeability, it may substitute or supplement the Wobbe Number with the applicable data. Where no above-mentioned notification is received by the TSP or where the above-mentioned discussions lead to a conclusion that tariff based gas quality interchangeability provisions are not necessary, a TSP may satisfy this Standard by providing a Heating Value and Specific Gravity.

Proposed Standard 4.3.x2:

For data provided pursuant to NAESB WGQ Standard No. 4.3.90, a Transportation Service Provider (TSP) with tariff-based gas quality provisions for the control of hydrocarbon dropout should measure or calculate a 1) Cricondenthem Hydrocarbon Dew Point (CHDP) or 2) C6+ GPM for location(s) that are representative of mainline gas flow. The TSP should provide the control parameter specified within its tariff. Where a TSP uses an alternative approach to control hydrocarbon liquid dropout, it may substitute the appropriate control parameter.



June 2, 2006

Chairman Joseph T. Kelliher
Commissioner Nora Mead Brownell
Commissioner Suedeem G. Kelly
Federal Energy Regulatory Commission
888 1st Street, NE
Washington, DC 20426

Re: Natural Gas Interchangeability, Docket No. PL04-3-000

Dear Chairman Kelliher and Commissioners Brownell and Kelly:

As a result of discussions among the Interstate Natural Gas Association of America (INGAA), the American Gas Association (AGA) and our respective member companies about how to incorporate a proposed Natural Gas Council "Plus" technical framework on hydrocarbon liquid dropout and interchangeability specifications, INGAA and AGA have reached agreement on how individual pipelines, their customers and other interested parties can proceed in addressing gas quality issues. That agreement is set out in the Joint Statement on Issues Related to Natural Gas Quality that we are filing in this docket today.

We sincerely hope that other segments of the natural gas industry join INGAA and AGA in endorsing this approach and that the framework set out within the agreement can be integrated with the approach to gas quality issues that may be formulated by the Commission.

We thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Donald F. Santa, Jr.", written in a cursive style.

Donald F. Santa, Jr.
President
Interstate Natural Gas Association of America

A handwritten signature in black ink, appearing to read "David N. Parker", written in a cursive style.

David N. Parker
President and CEO
American Gas Association

JOINT STATEMENT OF THE AMERICAN GAS ASSOCIATION AND THE INTERSTATE NATURAL GAS ASSOCIATION OF AMERICA ON ISSUES RELATED TO NATURAL GAS QUALITY

- I. Safety and reliability have been the hallmark of the natural gas industry. A fundamental shared goal of the AGA and INGAA is to promote the continuation of the historic safety and reliability of the natural gas industry as gas demand grows and as supply sources change. A key component of safety and reliability is the quality of natural gas; it should be sufficient to provide for safe and reliable service all the way to the customer who has contracted for and paid for the gas.

- II. We agree that a pipeline-by-pipeline approach is necessary to address and resolve any natural gas quality concerns regarding hydrocarbon liquid drop out (specifically, whether to establish a CHDP) and interchangeability of natural gas supplies (specifically, whether to establish an interchangeability specification such as Wobbe in the pipeline tariff). (Together these issues are referred to hereinafter as “gas quality issues.”) We also agree that discussions between interstate pipelines and their customers are vital and should be conducted in a timely fashion. Accordingly, AGA and INGAA endorse the following Joint Statement, which does not foreclose further guidance from the Federal Energy Regulatory Commission on these matters:
 - A. The parties acknowledge that the white papers prepared by the NGC have created the technical framework for reviewing and establishing hydrocarbon liquid drop out and interchangeability specifications. The parties further acknowledge that NAESB standards are providing customers and stakeholders with information regarding the current quality of pipeline gas. Additionally, should a pipeline or its customers desire to begin discussing hydrocarbon liquid drop out and/or interchangeability issues (including the possibility of tariff changes) they should notify one another. As soon as practical, the pipeline and its customers should exchange historical information regarding the quality of gas delivered by the pipeline and used by the customer and other relevant information such as any problems experienced in connection with hydrocarbon liquid drop out and the interchangeability of gas supplies. All interested parties should be able to participate in this process.

 - B. Once necessary information has been shared, interstate pipelines and their customers should meet to discuss specifications to address hydrocarbon liquid drop out and the interchangeability of natural gas supplies and, if necessary, the need for pipeline tariff revisions in order to ensure the continuation of this reliability. Group discussions with all customers will be beneficial, although individual meetings are also encouraged. The signatories agree that separate meetings on hydrocarbon liquid drop out and interchangeability may be appropriate depending on the pipeline’s individual circumstances. In these instances, the pipeline will work with its customers to prioritize the scheduling of the meetings to determine which meeting, if appropriate, should occur first.

- C. If no customer contacts a pipeline with concerns regarding hydrocarbon liquid drop out and/or interchangeability, the pipeline will not be required to initiate gas quality discussions under the process described in this Joint Statement. In addition, the signatories agree that pipelines with existing tariff specifications that expressly address hydrocarbon liquid drop out and/or interchangeability, and pipelines that have resolved these issues through settlement or administrative litigation, will not be required to participate in this process with regard to a resolved issue unless the customer seeking to initiate gas quality discussions can point to a change in circumstances that warrants the re-opening of that issue. Nothing in this Joint Statement will require any pipeline to take actions inconsistent with its obligations under an existing settlement.

- D. If as a result of these discussions, tariff revisions to current gas quality specifications are deemed necessary, AGA and INGAA anticipate such tariff revisions being submitted in the form of a negotiated settlement (with the goal of filing no later than one year from the date of this Joint Statement) and the FERC reviewing and approving such settlement. If at any time during such discussions parties express concern regarding the progress being made on reaching a consensus on the need for tariff revisions, AGA and INGAA anticipate that such discussions will continue under the guidance of the FERC mediation Staff or other alternative mediation services with the goal of filing a consensus document with FERC no later than one year from the date of this Joint Statement.

- E. Nothing in this Joint Statement affects parties' rights or obligations under the Natural Gas Act.

**Pipeline Segment Work Paper
WGQ BPS - 9/11/06**

Proposed Standard 4.3.x1:

For data provided pursuant to NAESB WGQ Standard No. 4.3.90, ~~the a~~ Transportation Service Provider (TSP) with tariff based gas quality provisions for the control of interchangeability should calculate a Wobbe Number for location(s) that are representative of mainline gas flow. Where a TSP uses an alternative method to characterize interchangeability, it may substitute or supplement the Wobbe Number with the applicable data.

Proposed Standard 4.3.x2:

For data provided pursuant to NAESB WGQ Standard No. 4.3.90, ~~Where a~~ Transportation Service Provider (TSP) with tariff based gas quality provisions for the control of hydrocarbon dropout, ~~for data provided pursuant to NAESB WGQ Standard No. 4.3.90, the~~ TSP should measure or calculate a Cricondenthem Hydrocarbon Dew Point (CHDP) for location(s) that are representative of mainline gas flow. Where a TSP uses an alternative method to control hydrocarbon liquid dropout, e.g. the C6+ GPM method, it may substitute or supplement the CHDP with the applicable data.

Proposed modifications to Standard 4.3.90:

The Transportation Service Provider (TSP) should provide on its Informational Postings Web Site daily average gas quality information for prior gas day(s), to the extent available, for location(s) that are representative of mainline gas flow. The information available for the identified location(s) should be provided in a downloadable format. Information should be reported in units as specified in the tariff or general terms and conditions. In any event, all applicable parties' compliance with gas quality requirements is in accordance with the TSP's tariff or general terms and conditions.

~~The following are examples of gas quality attributes that could be included in the posting for the applicable Gas Day(s) and location(s):~~

Listed below are examples of gas quality attributes:

- Heating Value
- ~~Wobbe Number or an alternate method used to~~Interchangeability characterizfactor(s)e interchangeability
- ~~Cricondenthem Hydrocarbon Dew Point (CHDP) or an alternate method used to monitor~~ hydrocarbon liquid dropout control factor(s)
- Hydrocarbon Components, % of C1 – Cnn, as used in determining Heating Value
- Specific Gravity
- Water
- Nitrogen
- Carbon Dioxide
- Oxygen
- Hydrogen
- Helium
- Total Sulfur
- Hydrogen Sulfide
- Carbonyl Sulfide
- Mercaptans
- Mercury and/or any other contaminants being measured
- Other pertinent gas quality information that is specified in the TSP's tariff or the general terms and conditions.

**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
Request for Enhancement of a NAESB Standard for Electronic Business Transactions
Page 3**

North American Energy Standards Board

**Request for Initiation of a NAESB Business Practice Standard, Model Business Practice
or Electronic Transaction
or
Enhancement of an Existing NAESB Business Practice Standard, Model Business
Practice or Electronic Transaction**

Instructions:

- 1. Please fill out as much of the requested information as possible. It is mandatory to provide a contact name, phone number and fax number to which questions can be directed. If you have an electronic mailing address, please make that available as well.**
- 2. Attach any information you believe is related to the request. The more complete your request is, the less time is required to review it.**
- 3. Once completed, send your request to:
Rae McQuade
NAESB, Executive Director
1301 Fannin, Suite 2350
Houston, TX 77002

Phone: 713-356-0060
Fax: 713-356-0067**

by either mail, fax, or to NAESB's email address, naesb@aol.com.

Once received, the request will be routed to the appropriate subcommittees for review.

Please note that submitters should provide the requests to the NAESB office in sufficient time so that the NAESB Triage Subcommittee may fully consider the request prior to taking action on it. It is preferable that the request be submitted a minimum of 3 business days prior to the Triage Subcommittee meetings. Those meeting schedules are posted on the NAESB web site at http://www.naesb.org/monthly_calendar.asp.

**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
Request for Enhancement of a NAESB Standard for Electronic Business Transactions
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North American Energy Standards Board

**Request for Initiation of a NAESB Business Practice Standard, Model Business Practice
or Electronic Transaction
or
Enhancement of an Existing NAESB Business Practice Standard, Model Business
Practice or Electronic Transaction**

Date of Request: October 1, 2004

1. Submitting Entity & Address:

See Attached

J.C. Penney Company, Inc.
M/S 4215
6501 Legacy Drive
Plano, TX 75024-4215

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

	<u>Contact Person</u>	<u>EDI Representative</u>
Name :	Keith Masten	Jason Clark
Title :	Sr. Procurement Agent	Project Manager
Phone :	972-431-2611	972-431-2977
Fax :	972-531-2611	972-531-2977
E-mail :	kmasten@jcpenny.com	

jclar14@jcpenny.com

I would also recommend Tom Moriarty, Manager of EDI Support, as an additional contact for EDI information as it relates to e-commerce for JCPenney. He can be reached at tmoriart@jcpenny.com. Any new transactions/technologies we would want to implement would need to be coordinated through Tom.

Description of Proposed Standard or Enhancement:

Standards or model business practices for electronic retail billing transactions and bill payment transactions between customers, suppliers, and utilities.

Energy-consuming, National Accounts (NA) with multiple facilities that span several utility service territories are required to engage with numerous utilities to satisfy the reconciliation of billing and payments associated with their commodity consumption and distribution and transmission services. Therefore, customers with a nationwide footprint (e.g., Wal-Mart, Radio Shack) must support multiple methods of receiving, interpreting and paying bills monthly for each account.

**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
Request for Enhancement of a NAESB Standard for Electronic Business Transactions**
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In service territories where EDI is not available the NA customer receives a large volume of paper-based transactions on a recurring monthly basis. Further complicating the problem is the complete lack of formatting consistency from one utility to another.

In service territories where the utility offers EDI billing, the NA customer experiences a wide variety of EDI standards and requirements. Although EDI has been in existence for more than 20 years and is a normal means of transacting business in most industries, it has not seen similar levels of success in billing transactions between energy utilities and their retail customers.

For utilities that serve these customers, it can also result in significant quantities of data, invoices, and payment transactions that are generally consistent in format from month-to-month. With the nature of these transactions, they are suitable for execution using electronic communications.

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

Although efforts are underway to develop implementation standards for electronic transactions between suppliers and utilities, there are no efforts underway to establish standards for electronic transactions between customers, suppliers, and utilities. NA customers and utilities alike have expressed interest in establishing standards for electronic billing communications.

While adoption of NAESB standards is voluntary, any voluntary adoption of developed standards would help to reduce the cost of sending, receiving, interpreting, and paying monthly utility bills. Also, it is hoped that over time more and more billing participants would adopt these voluntary standards; thus reducing costly exception processing. Whether a NA customer uses a 3rd party vendor to process and pay utility and energy bills or handles that process in house, uniform EDI standards would reduce costs.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

More efficient business processes for utilities, suppliers and customers alike. Reduced late payments. Reduced costs and improved customer service.

JC Penney's internal costs to process an EDI bill / payment is less the \$1.00 per invoice. While Penney's currently uses a 3rd party vendor to process and pay its utility and energy bills, it is anticipated that the cost of processing bill which are providing in an EDI format could easily save our company between \$100,000 and \$200,000 annually. We are extremely interested in seeing a uniform format established for EDI standards. Uniform standards would help reduce costs for 3rd party vendors, which would ultimately help reduce our costs as well. Input from this group should be given significant consideration along with feedback from other national account customers.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
Request for Enhancement of a NAESB Standard for Electronic Business Transactions**
Page 6

Specific implementation costs for NA customers and utilities are unknown at this time. The customer organizations on the attached list are willing to commit time, feedback, and expertise to help develop standards.

7. Description of Any Specific Legal or Other Considerations:

Regulations may exist that govern bill content and presentation. These regulations will need to be considered when establishing standards.

Also, billing complexity can increase with deregulation, as competitive charges are unbundled from the non-competitive charges. That said, however, unregulated energy providers are also likely to have newer, more flexible billing systems, or even outsource to application service providers (ASP) who are also more likely to have electronic billing capacity.

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

The above listed customer organizations (and more if necessary).

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners :

Consumers, utilities, retail energy providers, and third billing agents.

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Should we decide in the future to bring this bill payment function in-house the following would be relevant to this objective:

In general, X12 standards are very broad and cover many different types of industries. To meet a consensus with our trading partners, JCPenney subscribes to the VICS (Voluntary Inter-industry Commerce Standard) which is used by the retail merchandise industry.

Support of a standard outside of our current VICS standard could easily be cost prohibitive to implement. For example, in Procurement, suppliers that we purchase paper from for catalog, pre-prints, and other media, use an entire different subset of ANSI standards (GCS) for the print industry. The cost to implement a whole new subset of standards for only a handful of suppliers (10-12) was too cost prohibitive. We found a way to implement EDI with those suppliers within our existing capabilities. For commodities such as energy, phone services, etc. I would recommend we look at implementing the EDI 811-Consolidated Service Invoice/Statement transaction. JCPenney does not currently support this transaction, but it doesn't mean that it couldn't be. We'd have to look at the impact and cost to support it.

We would recommend looking at the ANSI X12 811 transactions as a possible solution. If further details on this transaction are needed, Jason can request generic ANSI mapping specifications of this transaction.



Rae McQuade
NAESB, Executive Director
1301 Fannin, Suite 2350
Houston, TX 77002

Re: Request for Initiation of a NAESB Business Practice Standard: Standardization of Electronic Billing

Dear Ms. McQuade:

As large national, multi-site energy consumers, we urge NAESB to consider standardizing retail utility electronic billing (EB) transactions. The organizations represented below (and several others) conduct business transactions with numerous utilities from all over the U.S. to satisfy the reconciliation of billing and payments associated with our energy, transmission, and distribution consumption. Uniform standards would help reduce costs for customers and utilities by streamlining business processes.

This letter serves to support and complement the request for standards from the JC Penney Company (enclosed). The organizations below have similar concerns and needs and wholeheartedly support standards.

EB/EDI is certainly not new to our businesses. For years, retailers, grocers, restaurants, and other chains have utilized it for practically everything that we buy and sell. In most cases, vendors can not conduct business with our companies unless they utilize an EB/EDI platform.

It is encouraging to see that more utilities are offering EB/EDI to customers. Most national accounts customers or their third party billing agents participate in utility electronic billing transaction programs when feasible. And although we welcome utilities into the "fold," we have found some programs to be very inconsistent and onerous to the point that participating is not cost effective. In service territories where the utility offers EB/EDI, the lack of formatting consistency from one utility to another complicates matters. We experience a wide variety of differing formats which leads to critical data discrepancies. For instance, Utility A may have room for 6 characters and Field #1, but Utility B has only 3 characters.

While we realize that there is much work to be done concerning this issue, we are confident the effort will be worthwhile. Customers will benefit with less late fees and the reduced costs of sending, receiving, interpreting, and paying monthly utility bills. Utilities will certainly gain by way of timelier payments, reduced mailing/processing costs, and better customer service.

Please feel free to call us if you have any questions.

Thank you for your consideration.

Sincerely,

D. Keith Masten
Sr. Procurement Agent
JCPenney Company
(972) 431-2611

R05013

North American Energy Standards Board

**Request for Initiation of a NAESB Business Practice Standard, Model Business Practice
or Electronic Transaction
or
Enhancement of an Existing NAESB Business Practice Standard, Model Business
Practice or Electronic Transaction**

Instructions:

- 1. Please fill out as much of the requested information as possible. It is mandatory to provide a contact name, phone number and fax number to which questions can be directed. If you have an electronic mailing address, please make that available as well.**
- 2. Attach any information you believe is related to the request. The more complete your request is, the less time is required to review it.**
- 3. Once completed, send your request to:**
Rae McQuade
NAESB, Executive Director
1301 Fannin, Suite 2350
Houston, TX 77002

Phone: 713-356-0060
Fax: 713-356-0067

by either mail, fax, or to NAESB's email address, naesb@naesb.org.

Once received, the request will be routed to the appropriate subcommittees for review.

Please note that submitters should provide the requests to the NAESB office in sufficient time so that the NAESB Triage Subcommittee may fully consider the request prior to taking action on it. It is preferable that the request be submitted a minimum of 3 business days prior to the Triage Subcommittee meetings. Those meeting schedules are posted on the NAESB web site at http://www.naesb.org/monthly_calendar.asp.

R05013

North American Energy Standards Board

Request for Initiation of a NAESB Business Practice Standard, Model Business Practice or Electronic Transaction

or

Enhancement of an Existing NAESB Business Practice Standard, Model Business Practice or Electronic Transaction

Date of Request: May 6, 2005

1. Submitting Entity & Address:

EnergyWindow, Inc.
1900 Folsom Street Suite 207_____
Boulder, Colorado, 80302_____
www.energywindow.com_____

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name : Jack Mason
Title : President
Phone : 877-444-0087 or 303-263-8678
Fax : 303 443-4409_____
E-mail : jmason@energywindow.com

3. Description of Proposed Standard or Enhancement:

Develop a model electric retail contract modeled after the NAESB Base Contract for Sale and Purchase of Natural Gas, NAESB Standard 6.3.1 (NAESB Base Contract for Gas). The contract would be designed for use by large scale aggregators, large single- and multi-site commercial users of electric power, and large industrials in competitive electric power markets.

**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
Request for Enhancement of a NAESB Standard for Electronic Business Transactions
Page 3**

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

Through use of the NAESB Base Contract for Gas, the wholesale and retail gas industry has many years of experience using a standard contract to purchase natural gas on the wholesale and retail market. Benefits of using the NAESB Base Contract for Gas include:

- Lower transaction costs and effort associated with reviewing, negotiating contracts and executing electric service agreements;
- Reduced customer service and contract administration cost and effort following contract execution, during the term of the contract;
- Less lost savings for buyers, or revenue for suppliers associated with, a) delays in contract closure; and b) contracts that never close, due to inability to negotiate terms successfully and market changes during the negotiation period;
- Fewer opportunities for customer misunderstanding, dissatisfaction and loss;
- Less risk for buyers, and suppliers;
- Greater ability to judge the value of offerings on important product attributes without decisions being clouded by legal aspects and language;
- A framework within which more valuable aspects of electric service products can be emphasized, and suppliers can respond to customer business needs, innovate, and differentiate their offerings – all more effectively, and
- Increased competitive market participation.

Those benefits and experiences could be translated into retail electric markets through the development and use of an analogous model contract for retail electric purchases. Large scale aggregators, large commercial users of power and natural gas, and large industrials purchase electric power in the retail market, and a standard contract would help facilitate market liquidity and transaction efficiency.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

See discussion above.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

Not applicable.

**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
Request for Enhancement of a NAESB Standard for Electronic Business Transactions
Page 4**

7. Description of Any Specific Legal or Other Considerations:

Since this request proposes the development of a standard contract, there are obvious legal considerations, many of which have been addressed in the development of the NAESB Base Contract for Natural Gas.

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

Discussions with representatives of buyer and supplier organization suggest strong interest in a model retail electric contract and willingness to test the model. Names and contact information can be provided when appropriate.

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners :

Not Applicable

10. Attachments (such as : further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

A suggested draft of a NAESB model contract for retail electric applications is attached. It is based on the concept, structure, and, where appropriate, language of the NAESB Base Contract for Gas. In addition, the draft was developed with consideration of more than a dozen buyer and supplier retail electric service contracts in use in the industry today. Where possible and appropriate, language from the NAESB Base contract was selected preferentially. The suggested draft is provided with language borrowed from the NAESB Base Contract for Gas in blue text and additional or revised language to reflect specific requirements for retail electric service in black type in order to facilitate review and understanding of the extent of possible parallels between the two contracts. Selected mark-ups are shown where informative. An outline of the draft suggested model contract with more extensive mark-ups and annotations to explain approach, rationale and basis for selecting approaches or language for retail electric transactions can be provided if it would be helpful.



North American Energy Standards Board

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NAESB BOARD OF DIRECTORS MEETING MATERIALS WHOLESALE GAS CONTRACT RATIFIED 9-4-06, DIFFERENCES FROM VERSION 1.7 SEPTEMBER 14, 2006

- The new NAESB Base Contract for Purchase and Sale of Natural Gas (“Base Contract”) was recommended by industry consensus using the NAESB standards development procedures, approved by the WGQ Executive Committee on July 27, 2006 and ratified by the WGQ membership on September 4, 2006.
- The WGQ Contracts Subcommittee adopted a mission statement to guide its deliberations during the standards development process. The mission statement is:

Our mission under Request R05014 is to recommend to the Wholesale Gas Quadrant Executive Committee a revised NAESB Base Contract for Sale and Purchase of Natural Gas (NAESB WGQ Standard 6.3.1 dated April 19, 2002) (NAESB Base Contract) that maintains the usefulness of the agreement and broad usage throughout the industry, regardless of whether a party is a buyer or seller. The revised NAESB Base Contract should reflect changes in the industry, improve the interface with other industry agreements, facilitate continued wide-spread use among different classes of counterparties and geographic regions, and expedite the contracting process between the counterparties.

Below is an executive summary of the provisions with major updates in the Base Contract.

1. Section 10.3.2 - Triangular Set-Off (New) [Optional on Cover Page]
2. Section 14 – Market Disruption (New)
3. Section 8.4 – Reporting of imports to US (New)
4. Section 9.4 – Payment Notice implementation (New)
5. Section 15.12 – Validity of copies of Base Contract (New)
6. Cover Page (New)
 - a. Section 2.1 – Additional Event of Default (New) [Optional on Cover Page]
 - b. Section 2.23 – Indebtedness Cross Default (New) [Optional on Cover Page]
 - c. Section 2.33 – Transactional Cross Default (New) [Optional on Cover Page]
 - d. Section 2.30 – Specified Transaction(s) (New) [Optional on Cover Page]
 - e. New format/layout of information on Cover Page for clarification purposes
7. Section 2.2 – Affiliate (New)



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NAESB BOARD OF DIRECTORS MEETING MATERIALS Summary of DOE Sponsored Information Assurance Work for NAESB SEPTEMBER 14, 2006

DOE SPONSORED INFORMATION ASSURANCE WORK FOR NAESB

The Department of Energy (DOE), Fossil Energy (FE), has sponsored Sandia National Laboratories (SNL) to perform several Information Assurance activities with the North American Energy Standards Board (NAESB), formerly named Gas Industry Standards Board (GISB). These activities consisted of security analyses of e-commerce information technology (IT) standards that NAESB is either proposing for use in the energy sector, or standards that were in current use in the energy sector. This was a pro-active attempt by FE to understand the potential vulnerabilities that exist, or will exist, in various aspects of e-commerce IT within the wholesale energy market and to provide a positive influence to mitigate as many of the vulnerabilities as possible.

The first assessment was performed in 2000 against the Electronic Delivery Mechanism (EDM) for wholesale gas distribution. In that report, a number of critical security issues were discovered in the standard, then at version 1.3, and reported to GISB along with suggested mitigation strategies. Those issues were taken under advisement by GISB and they issued a document addressing all issues in the report. A majority of the identified vulnerabilities were addressed by direct mitigation in subsequent versions of the EDM standard.

For GISB, the assessment resulted in more robust use of Internet technology for commercial natural gas transactions. This increased use was a direct result of the increased level of confidence by the industry, which could only have been provided by an independent review and analysis by the renowned subject matter experts at SNL. The natural gas industry as a whole gained an increased awareness of information security issues and the need to be vigilant about possible vulnerabilities. Also, because GISB and NAESB e-commerce standards are industry-independent, several other industries gained confidence in GISB's use of the Internet because of the assessment provided by SNL and adopted the protocols endorsed by GISB. Therefore, the improvements resulting from SNL's surety activities for the natural gas industry had far-reaching impacts, extending to other industries and markets, including automotive, insurance and medical.

The next assessment was initiated in late 2005 and completed in early 2006. It was a follow-on assessment of the EDM standards, then at version 1.8. The standard had progressed with a number of technology updates. Over half of the original SNL recommendations were implemented in version 1.8. Roughly one-quarter of the original vulnerabilities remained, while the almost one-quarter left were mitigated by a change in technology, thus removing them from the standard. It is to NAESB's credit that they have addressed a majority of the vulnerabilities. The addition of new technology to version 1.8 of the EDM standard did, however, add new vulnerabilities to the standard and those were identified in the report to NAESB. NAESB is in the process of addressing these new vulnerabilities.

Since NAESB is an expansion of GISB and develops standards for electricity as well as natural gas, companies and other important entities from both these key energy industries are members of the organization. Recognizing NAESB's broad mandate, FE has taken a proactive role and sponsored additional work to examine the proposed Public Key Infrastructure (PKI) standard for the wholesale electric quadrant. Since this is a foundation document on which the electronic security of all wholesale electric transactions would be protected, it is extremely important that it provide a high level of security both when it is initially used and for at least the next decade. Vulnerabilities have been found within this proposed standard and the report outlining these, along with suggested mitigation strategies, was delivered in August of 2006. Since the PKI standard was in the "proposed" state, FE's sponsorship of this work provides a forward-looking opportunity for NAESB to address these issues before the standard is implemented, thus making it a more secure standard from day one.

Without the leadership and collaborative approach of DOE FE, these assessments would never have been performed on this important component of the U.S. critical infrastructure, and electronic transactions in the energy sector would be considerably more vulnerable.



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NERC NAESB Template Procedure for Joint Standards Development and Coordination Prepared as of 2-22-06

Principles & Assumptions:	<ul style="list-style-type: none"> • The joint standards should be readily and easily available to all industry participants required to follow them. • The jointly developed standard(s) should clearly distinguish components within it as either being reliability-related or business practices-related. A jointly developed standard can be a "two-part" standard clearly identifying that it contains (a) separate reliability requirements and (b) separate business practices, but such requirements cannot be both reliability <u>and</u> business practice requirements. • The procedures followed for joint development will comport with the existing standards development procedures certified by ANSI for both organizations.
Goals & Objectives:	<ul style="list-style-type: none"> • The joint development efforts are closely coordinated within the procedures defined and approved for NERC and NAESB. • The participation within the joint development is balanced between NERC and NAESB to ensure an equitable outcome. • The procedures should not be overly bureaucratic to discourage the NERC and NAESB volunteers from participation. They should be written to allow the volunteers to focus on the development of standards, rather than interpretations of the procedures. • The participants should be committed to the process, demonstrating a willingness to reach consensus and provided with the ability to make decisions from the organizations they represent. • The executive management of NERC and NAESB should be actively involved in resolution of disputes and in providing guidance to support consensus building between the two organizations.
Key Differences between reliability standards and business practices:	<ul style="list-style-type: none"> • Reliability standards are directed to the continuous operation of the power grid, and address the performance, adequacy and security of the bulk electric system. • Business practices are focused on the transparency of the power market and support a strong and diverse market. Much of the business practices are directed toward streamlining commercial transactions and the information exchanged to effect those commercial transactions between trading partners. • As noted in Appendix A of the MOU, except as required to achieve specific reliability objectives, the functions identified in the functional model diagrams as "generator" whether merchant or load-affiliated), "purchasing-selling entity," "load-serving entity," "market operator," "customer aggregator," and certain of the relationships and information flows of transmission service provider," "transmission owner," and "transmission operator" are associated with how wholesale electric business practices and electronic communication protocols are developed for use by market participants.



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NERC NAESB Template

Procedure for Joint Standards Development and Coordination

Prepared as of 2-22-06

	<p>Additionally, market criteria such as product or service definitions, specifications, and compensation; prerequisites for participation in market and identification of costs and funding obligations; arrangements for product and service delivery to customers; creditworthiness requirements; market-related business practices; market settlement practices; and communication protocols in support of market criteria should be considered. Standards development proposals applicable to those functions and to the relationships and information flows among those functions normally would be assigned to NAESB, unless there is a specific reliability objective to be addressed to one of these functions.</p> <ul style="list-style-type: none"> • As noted in Appendix A of the MOU, in general, the functions identified in the functional model diagrams as “reliability authority,” “balancing authority,” “interchange authority,” “compliance monitor,” “NERC,” and certain of the relationships and information flows of “transmission service provider,” “transmission owner,” and “transmission operator” are associated with the reliable operation of the bulk power system. Standards development proposals applicable to those functions and to the relationships and information flows among those functions normally would be assigned to NERC, unless there is a specific business practice objective to be addressed to one of these functions. • Business practices are forwarded to the FERC, and the process for making the standards mandatory to the utilities falls under the Federal Power Act. If the FERC chooses, the standards may be included in a notice of proposed rule-making, followed by a comment period, possibly followed by a final order, additional comments and an order on rehearing. The Commission ensures that the standards are followed by the jurisdictional entities and sets the compliance terms. • Reliability standards will follow the rules of the Electric Reliability Organization (ERO) and fall under the Energy Policy Act of 2005. The ERO sets the performance measures, terms for compliance and penalties for non-compliance and as such the reliability standards should be clearly measurable. FERC must approve the reliability standards before they take effect. The reliability standards apply to a broader audience than that of business practices mandated by the FERC.
<p>Constraints and Other Considerations:</p>	<ul style="list-style-type: none"> • NERC and NAESB executive management have agreed that a revenue neutral solution to provide for joint publication of standards is needed and should be achievable. The NERC and NAESB executive management should make the decision if joint publication is needed. • The template described herein for a joint standards development and coordination process is a standalone agreement between NERC and NAESB, drafted by the senior executives of each group. • The NERC and NAESB senior executives responsible for the coordination may choose to form a separate group to address issues brought forward that needed joint guidance or joint resolution when consensus of the joint development group was not achieved.



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NERC NAESB Template Procedure for Joint Standards Development and Coordination Prepared as of 2-22-06

Process Description:	<ul style="list-style-type: none"> • After a request or SAR is assigned to NAESB or NERC, the senior executives of the two groups determine if joint development is needed. • If it is needed, the request or SAR is assigned to the appropriate NAESB standards development group and the NERC drafting team. The two groups hold joint meetings and jointly determine the split of standards into reliability standards and business practices. • The split is forwarded to the WEQ EC for approval and the appropriate committee within NERC for approval. The groups still continue to meet jointly and pursue development while this approval is being sought. This step should not cause delay in development. • Once standards have been drafted, the standards may be posted for one or more rounds of comments and responses until the joint group has reached the determination that a broad general industry perspective has been achieved and the standards are ready for vote. • Before the standards are sent out for adoption, the NERC office and the NAESB office should determine if tools or other software are needed, or if those tools or software in place need modifications. If so, the two offices will be required to make a determination if the creation of tools or software or changes to existing tools or software are technically feasible and within the financial framework of the organizations. If they are not feasible or fundable, the senior management of the two organizations shall be requested to determine a course of action regarding tools or software. • The standards then follow both the NERC procedure (for the standards deemed reliability) and the NAESB procedure (for standards deemed business practices) for adoption. For ease of viewing by users during development, the reliability standards may show the associated business practices for reference and the business practices may show the associated reliability standards for reference. However, the reliability standards and business practices shall remain separate and shall be approved through each respective process. • Once adopted, the senior executives of both NERC and NAESB shall determine if joint publication is needed to facilitate use by stakeholders. If so, the publication should clearly distinguish the reliability standards from the business practices in one document. NERC and NAESB senior executives with responsibility for the legal aspects and financial aspects of the two organizations will have previously reached a revenue neutral solution on the joint publication. • The business practices standards will be filed with the FERC and the reliability standards will follow the procedures outlined for the ERO. The filings may be joint, but should clearly identify each standard as either a business practice or reliability standard as they are to be treated differently by FERC and will apply to a different
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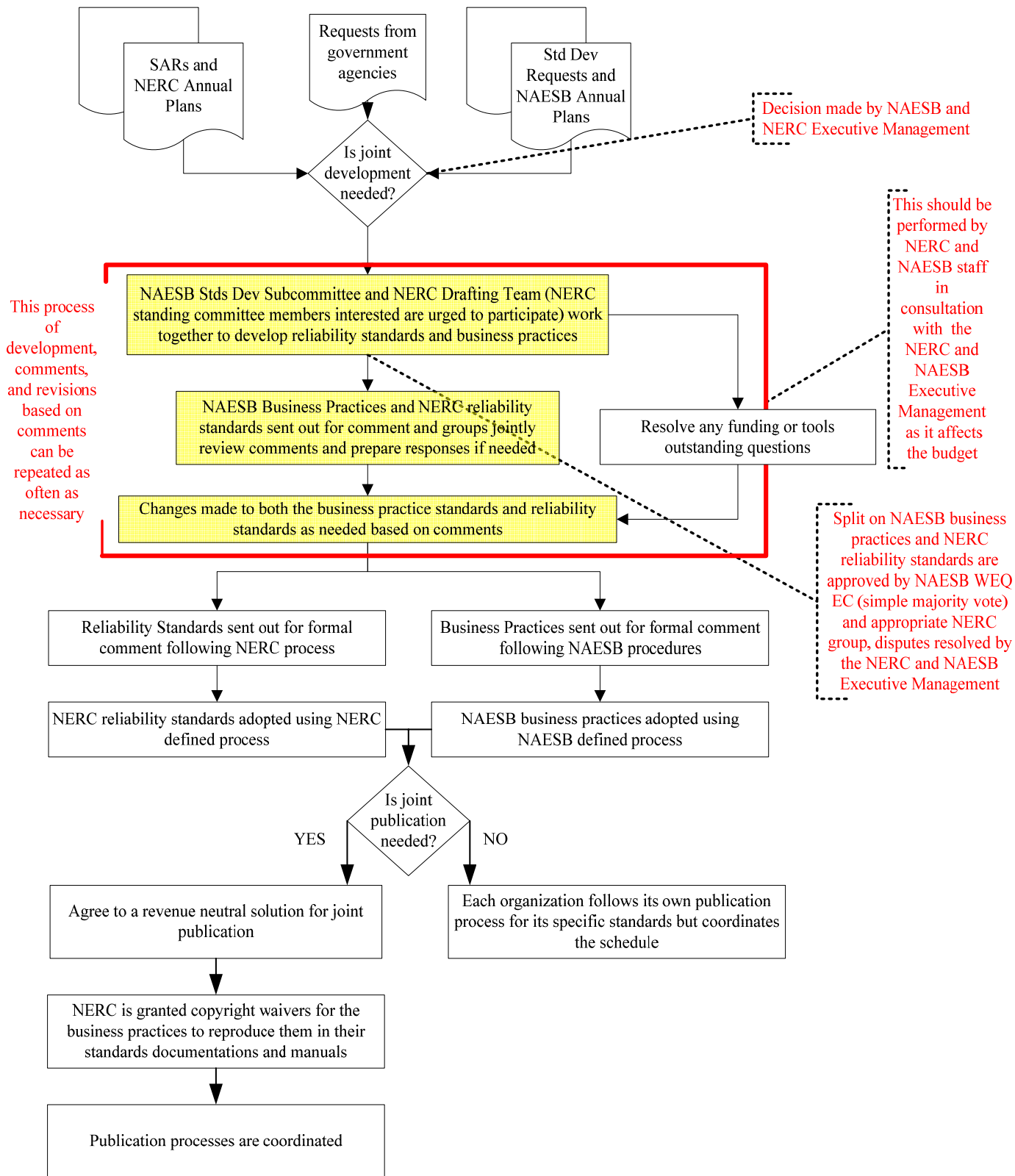
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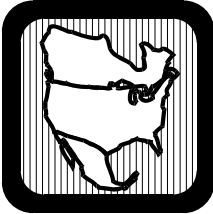
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NERC NAESB Template Procedure for Joint Standards Development and Coordination Prepared as of 2-22-06

	<p>jurisdiction.</p> <ul style="list-style-type: none"> Should there be a dispute or an inability to reach a joint agreement during any part of the procedure outlined, the senior management of NERC and NAESB will be approached for guidance and resolution.
<p>Special Considerations on Outstanding Issues:</p>	<ul style="list-style-type: none"> This process demonstrates to the NAESB WEQ Board of Directors that sufficient coordination between the two organizations is in place so that the TLR business practices may proceed on to the ratification process. After ratification, the standards will not be forwarded to the FERC in a filing until the two organizations have used the joint development process to ensure that both the reliability standards and business practices are consistent. The FERC may monitor and could provide input and guidance during the joint development efforts. A joint development and coordination process as outlined above would preclude the need for the Joint Interface Committee to make an assignment of each proposed standard, as the reliability standards and business practices would be developed in concert while avoiding duplication of effort and conflicting results.

NERC-NAESB Coordination
Joint Standards Development Process
As of 2/22/06





NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

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Supplement to NERC-NAESB Procedure for Joint Standards Development and Coordination

Draft 1.2 — April 13, 2006

**Reference: Procedure for Joint Standards Development and Coordination
February 22, 2006**

Purpose of this Supplement

This supplement to the NERC—NAESB Procedure for Joint Standards Development and Coordination (**Attachment 1**) is intended to aid the two organizations and their stakeholders in implementing the procedure. The supplement provides additional information and clarifies the intended use of the procedure.

Need for a Joint Standard Development Procedure

NERC and NAESB, along with the ISO/RTO Council (IRC), coordinate the development of standards through a revised and restated memorandum of understanding (MOU). This coordination is intended to “avoid overlap and duplication of effort in the activities of the three organizations by distinguishing the development, proposal and implementation of ISO and RTO policy from the setting of reliability standards or business practice standards.”

The mechanism for coordination has been provided through the Joint Interface Committee (JIC), comprising balanced representation from the three organizations. Coordination has also been provided, in some cases, on an ad hoc basis through informal relationships between NERC and NAESB technical groups. The primary role of the JIC has been:

- to provide consultative review of annual work plans of the three organizations, as related to the development of standards for the bulk power system and wholesale electricity markets; and
- to assign the development of proposed standards to NERC or to NAESB.

Historically, the JIC has assigned a proposed standard to NERC or NAESB based on whether the JIC viewed the content as either majority reliability or majority business practice. This approach works well when there is a clear distinction between reliability requirements and business practices. However, this decision is more difficult when the reliability and business practice

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components are intricately entwined within a proposed standard. Experience has shown that forcing a split of such a standard or assigning it to only one of the organizations is not optimal.

With NERC's application to become the electric reliability organization (ERO) for North America, NERC's reliability standards have been filed with the U.S. Federal Energy Regulatory Commission and governmental agencies in Canada for the purpose of making the standards mandatory for all bulk power system owners, operators, and users. NERC must have a complete set of standards necessary to protect the reliability of the bulk power system. Any reliability components assigned for development by NAESB would not be enforceable under the authorities delegated to the ERO and the regional entities. Similarly, NAESB files its business practice standards with FERC. The Commission can elect to make these business practices mandatory for public utilities. With these differences in the use and jurisdiction of the standards, it is important that each organization be able to develop a complete set of standards without being encumbered by the work of the other organization.

The conclusion is that when separating standards into reliability or business practice is difficult and potentially detrimental, a preferred approach is to develop the standards jointly. Joint development enables technical experts to separate the reliability and business practice components at the working level with a much finer granularity compared to simply splitting the standard or assigning it to only one organization.

Joint Development Process

The joint development procedure establishes a method for coordinating the development of reliability standards and business practices. The method involves developing both a reliability standard and a business practice standard in a single, coordinated work effort. A team of experts, balanced between NERC and NAESB stakeholders, works together to draft both the reliability and business practice components. The team may split into subgroups periodically to work on reliability or business practice components, but returns back to the joint group for coordination, review, and editing of the resulting drafts prepared by the subgroups.

The reliability components drafted by the joint team are developed and approved through the NERC reliability standards development process. That means a Standard Authorization Request (SAR) is developed, the SAR and drafts of the reliability standard are subject to stakeholder review and comment; and stakeholders vote to approve the standard. The business practice components go through the NAESB standards development process, as well, including review and comment by interested parties and approval by the Executive Committee and ratification by the membership. To the extent practical, the joint team coordinates the timing of the proposed standards as they move through the respective processes to completion.

Thus, the development of joint standards does not alter or affect either organization's process. The reliability components are approved through the NERC process as reliability standards and the companion business practices are approved through the NAESB process.

Results Produced by Joint Development Procedure

The final product of the joint development effort is viewed in two ways. First, NERC and NAESB may agree to joint publication of a common document containing both the reliability standard and business practice standard as complementary sections. In most cases, joint publication would be preferred, as it would have the benefit of facilitating ease of use by those who just need to "follow the rules" and prefer not to look in two places to find the rules.

The joint development procedure refers to “revenue neutral” publication. This means that if either organization derives revenues from the publication of its standards, the two organizations will, before joint publication occurs, reach a mutually acceptable arrangement that avoids or mitigates the potential loss of revenue for that organization. Without such an agreement, the respective standards would not be published jointly.

In terms of the impact of the standards, the joint effort produces separate reliability and business practice standards that may be applied through separate jurisdictional procedures. For example, the reliability standard portion can be filed as a reliability standard and made enforceable for bulk power system owners, operators, and users in North America. NAESB can continue its practice of filing business practice standards for adoption by FERC as mandatory for public utilities in the U.S. Despite joint development and the possibility of joint publication, the reliability standards and business practice standards remain distinct and separate with regard to their impacts on affected entities.

Figure 1 shows a simple conceptual representation of this “separate but joint” product.

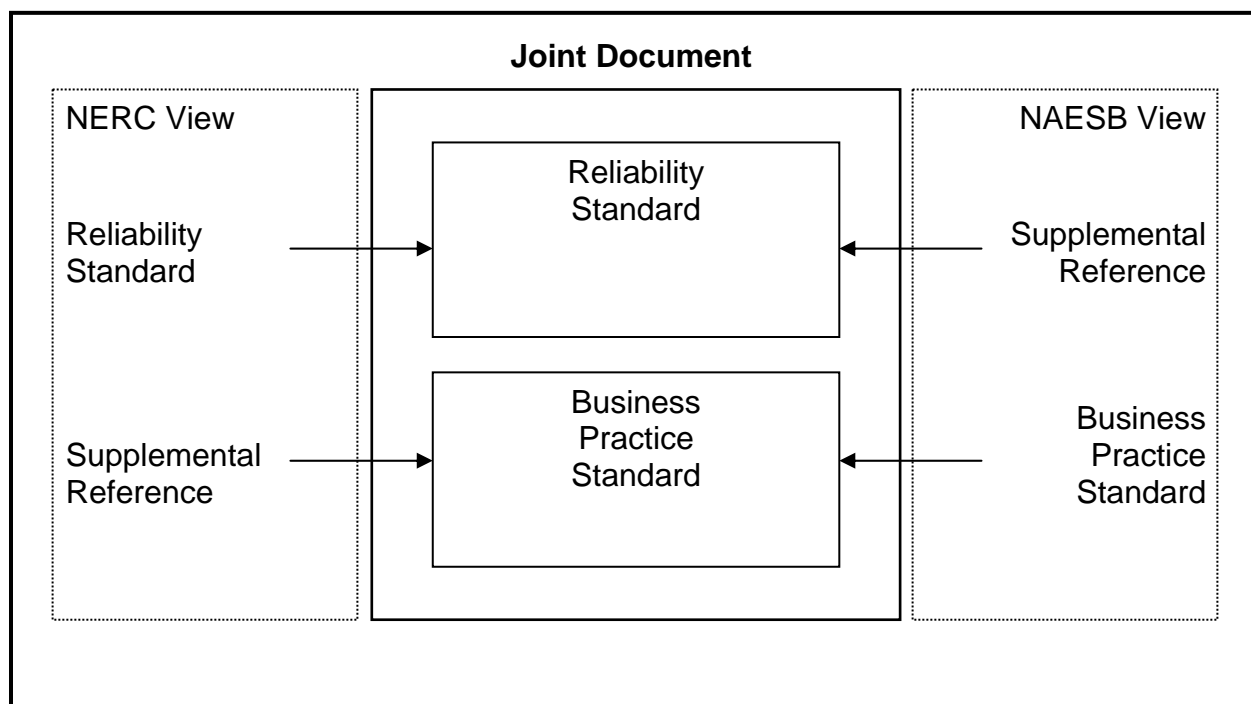


Figure 1 — Concept of Separate but Joint Standards

Role of Executive Managements of the Organizations

The joint development procedure refers several times to actions by “executive management” of the NERC and NAESB organizations. The phrase “executive management” means a combination of executive staff and relevant stakeholder executives working in consultation, in accordance with the established procedures and stakeholder relationships of each respective organization. For NERC, the stakeholder executives are the Executive Committee of the Standards Authorization Committee, and may also include executives of other committees as appropriate based on the subject of the proposed standard. In NAESB, stakeholder executives are the officers of the Board of Directors, and may also include board committees or officers and other leadership from the Executive Committee as determined by the board officers.

Role of the Joint Interface Committee

Consistent with the MOU, the historical role of the JIC has been to provide consultative review of annual work plans and to assign standards to NERC or NAESB for development. A joint development project achieves the goal of coordinating standards development through another method. Therefore, there is no need in the case of joint development for the step of assigning the standard to NERC or NAESB.

The joint development procedure anticipates that NERC and NAESB executive managements will work closely together to identify proposed standards that would be more effectively and efficiently developed in a joint effort than in one organization. The executive managements of both organizations would present the recommendation for a joint project to the JIC for consultative review, and will take into consideration any comments made by the JIC. Once the executive managements of the organizations make a final determination to begin a joint project, stakeholder and staff resources will be assigned through the regular established procedures of the respective organizations.

The consultative review of the JIC is analogous to the review the JIC provides for the annual standards development work plans. This role of the JIC in performing a consultative review does not change the MOU, nor does it extend the responsibilities of the JIC.

Development of Tools

The joint development procedure refers to decision-making regarding the development of tools necessary to implement the standards. Any decision by any party to the MOU to develop tools would be expected to be made through the business plan and budget approval process of the respective organization. Nothing in the joint development procedure would obligate any party to the MOU to develop tools to support or implement standards.

NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

TAB 6

EXECUTIVE COMMITTEE REPORTS

This section includes:

- The 2006 Annual Plans for each of the quadrants (redlined with changes from the August EC meetings)
- Standards Adopted since the June Board Report
- Requests Received in 2006
- Filings with the FERC

The material presented is background information for the discussion of agenda item 4.

The Executive Committee leadership of each quadrant will discuss its progress towards completion of its 2006 annual plan and respond to questions from the Board. Action is required of the Board, to approve changes suggested by Executive Committees and to approve any changes suggested by the Board. To approve changes to the plans, the Board will be asked to vote to endorse those changes via a simple majority vote.

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WGQ Annual Plan

~~Revisions Proposed by the WGQ EC on August 17, 2006~~ ~~Revisions Approved by the Board of Directors, June 22, 2006~~

	Item Description	Completion ¹	Assignment ²
Gas-Electric Activities			
1	Development of standards regarding an Energy Day (R04016) Status: Withdrawn by requestors on 2-28-06.	Withdrawn ³	WGQ BPS (with WEQ BPS)
Electronic Delivery Mechanisms and Related Activities			
2	Review security standards as may be deemed necessary, e.g. Public Key Infrastructure (PKI). Status: Pending Activities of the WEQ EC.	Pending WEQ PKI activities	EDM
3	Partner with the Department of Energy's Sandia National Laboratories on NAESB technical standards and respond to the surety assessment findings and recommendations. Status: Underway.	3rd 4 th Q, 2006	EC Officers
4	Review of minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual Status: Completed.	2 nd Q, 2006	EDM
5	Prepare a joint analysis with the Retail Quadrants for AS2 and AS3 protocols as compared to the NAESB IET. Status: Not Started.	4 th Qtr. 2006	EDM & Retail TEIS
Contracts Activities			
6	Review and update NAESB Base Contract for Sale and Purchase of Natural Gas to reflect current industry practices and applicable terms and conditions. (R05014) Status: Underway Completed.	2 nd Q, 2006	Contracts
6A	Develop FAQ for Updated NAESB Base Contract for Sale and Purchase of Sale of Natural Gas. (R05014) Status: Not Started.	4 th Q, 2006	Contracts
Gas Quality			
7	Part B of R03035: Develop a uniform process for reporting the underlying assumptions and methodologies for determining gas quality specifications from measured data. Status: Completed.	1 st Q, 2006	BPS
8	Part C of R03035: Examine the need to establish gas quality specification standards taking into consideration, (i) the specification needs of end users and providers of service to end users, and (ii) sources of supply (e.g. land-based, the Gulf, LNG). Draft such standards as appropriate. Status: Tabled on Board of Directors instructions.	Tabled ⁴	Not assigned at this time.

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WGQ Annual Plan

~~Revisions Proposed by the WGQ EC on August 17, 2006~~ ~~Revisions Approved by the Board of Directors, June 22, 2006~~

Item Description	Completion ¹	Assignment ²
Program of Standards Maintenance & Fully Staffed Standards Work⁵		
Business Practice Requests	Ongoing	Assigned by the EC ⁶
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 ⁶
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC ⁶
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC ⁶
Provisional Activities⁷		
Respond to requests as received that are related to <u>Docket No. RM05-28-000</u> (Gas-Electric Interdependency)		
Respond to directives related to the conclusions of the NAESB reports submitted in <u>Docket No. RM05-28-000</u>		
Respond to requests as received that are related to <u>Docket No RM05-1-000</u> (e-Tariff)		
Update the Canadian Addendum to the NAESB Base Contract for Sale and Purchase of Natural Gas		
Update the ISDA Gas Annex		
Review and develop a Canadian Supplement to the ISDA Gas Annex		

Notes: (a) Priority is given to action items that are carry-overs from the 2005 Annual Plan.

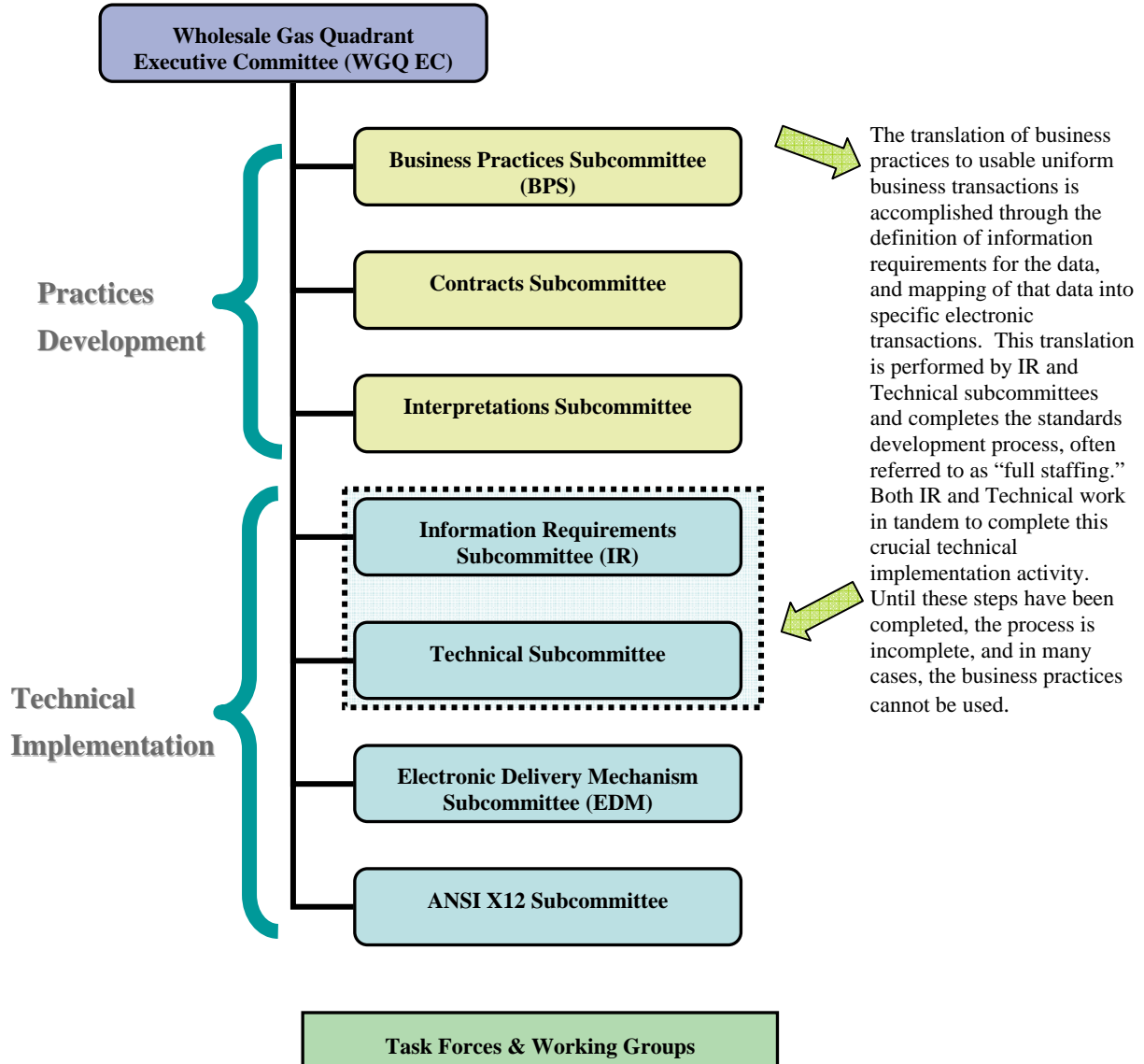
(b) Any new activity should be preceded by a request from the submitter after which the annual plan will be revisited. The provisional items would only be addressed after a request is submitted or an order is issued by the FERC.

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NAESB WGQ EC and Subcommittee Leadership:

Executive Committee: Jim Buccigross, Chair and Mike Novak, Vice-Chair

Business Practices Subcommittee: Kim Van Pelt, Tina Burnett, Dolores Chezar and Richard Smith

Information Requirements Subcommittee: Dale Davis

Technical Subcommittee: Kim Van Pelt

Contracts Subcommittee: Suzanne Calcagno, Keith Sappenfield

Electronic Delivery Mechanism Subcommittee: Leigh Spangler, Christopher Burden

Interpretations Subcommittee: Paul Love

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End Notes:

¹ 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 so as 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.

² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ The Board of Directors determined to table standards development efforts on item 1 at the June 22, 2005 meeting. As a result of the notational ballots received from the Board of Directors on February 17, 2006 endorsing the Gas-Electric Interdependency Report, and the subsequent filing with the FERC on February 24, 2006, both Request Nos. R04016 and R04020 were withdrawn by the submitters.

⁴ At its meeting on June 21, 2005, the Board of Directors unanimously voted to keep Part C of Request R03035 in abeyance, and to instruct the WGQ Executive Committee to add Part B to the Annual Plan for 2006 with the understanding that work related to the reporting of gas quality specifications is associated with the development of reporting procedures and not the standardization of the measurement itself.

⁵ This work is considered routine maintenance and thus the items are not separately numbered.

⁶ The EC assigns maintenance of existing standards on a request by request basis.

⁷ To the extent that it is determined that any of the provisional activities should be worked upon during the year as a result of a specific request for standards development or a FERC action, the Board has the discretion to modify the annual plan. Additionally, provisional activities will remain on the Annual Plan for one year pending the filing of a formal request or a decision to add them to the plan as active items.



North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Revisions Approved by the Board of Directors, June 22, 2006 Offered by the WEQ EC on 8-15-06 in Redline Format

Item Description	Completion ¹	Assignment ²
1 Develop business practices standards as needed to complement reliability standards		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs). Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Make version 1 changes to business practices as requested. i) Make changes to business practices as related to inclusion of functional model entities as NERC undertakes the same efforts Status: No requests	Ongoing As requested	BPS BPS
ii) Review the NAESB WEQ “Version 0” business practice standards and remove any references to ERCOT (R05007) Status: Underway Completed, approved by the EC at 5-9-06. Ratified on 6-22-06.	2 nd Q, 2006	BPS
b) Develop business practices to support Coordinate Interchange – update already adopted version 1 to reflect version 1 NERC CI (R03013, R05001, R05020) Status: Complete	2 nd Q, 2006	BPS
c) Develop business practice standards to support Operate Within Limits (R03017) Status: Not Started	2006	BPS
d) Develop business practices to support the reliability components of TLR		
i) Version 0 Split of TLR business practices from reliability components Status: Completed ratification and delayed publication and filing with FERC until NERC has had the opportunity to complete its split.	2 nd Q, 2006	BPS
ii) Continuous support of TLR Procedure in alignment with NERC efforts including version 1 development Status: Underway. R06002 completed and approved by the WEQ EC on 5-9-06.	Ongoing	BPS
f) Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC). Status: Not Started	2006	BPS
g) Develop jointly with NERC a Joint NERC/NAESB Operating training manual. Status: Not Started	2006	BPS



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Revisions Approved by the Board of Directors, June 22, 2006 Offered by the WEQ EC on 8-15-06 in Redline Format

Item Description	Completion ¹	Assignment ²
2 Develop business practice standards for Version 1 to support ATC calculations		
<p>Develop version 1 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 for coordination between neighboring transmission providers and/or amendments to existing TLR procedures. (R05004)</p> <p>Status: Under way using joint standards development process with NERC. <u>Request R050004 was expanded to include the OATT NOPR items.</u></p>	2007	BPS and ESS
3 Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling		
a) Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
<p>i) Business Practices for the resale or reassignment of transmission service (R04006D)</p> <p>Status: <u>Underway Complete, voted out of the EC on 8-15-06 with notational ballots outstanding.</u></p>	2 nd Q, 2006	ESS/ITS
<p>ii) Implementation of "release" mechanism in the OASIS S&CP to complement non-firm redirects (R04006C1)</p> <p>Status: Underway</p>	3 rd Q, 2006	ESS/ITS
<p>iii) Network Services: determine if business practice standards or other support is needed to support use of OASIS for Network Service transactions (R04006E).</p> <p>Status: Not Started</p>	3 rd Q, 2006	JISWG
<p>iv) Registry: determine if business practice standards are needed to support the registry functions currently supported by NERC (R04037).</p> <p>Status: Underway</p>	3 rd Q, 2006	JISWG
<p>v) Adoption/maintenance of ESC use cases (R04007)</p> <p>Status: Completed.</p>	2 nd Q, 2006	ESS/ITS
<p>vi) Adoption/maintenance of Functional Requirements Document (R04007)</p> <p>Status: Completed.</p>	2 nd Q, 2006	ESS/ITS



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Revisions Approved by the Board of Directors, June 22, 2006 Offered by the WEQ EC on 8-15-06 in Redline Format

	Item Description	Completion ¹	Assignment ²
vii)	e-Tag enhancements (including e-Tag specification changes) (R05018) Status: Underway	3 rd Q, 2006	ESS/ITS
viii)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (R05019) Status: Not Started	4 th Q, 2006	ESS/ITS
ix)	Incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026) Status: Scoping statement being prepared by SRS.	TBD	Not Assigned
x)	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 – see item 7 in provisional items. <u>Delayed awaiting order on rehearing by action taken on 8-15-06.</u>	3rd Q, <u>2006 Delayed</u>	ESS/ITS
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed		
i)	Develop companion business practices to NERC's Cyber Standard (CIP002-009), and specifically review section 1303-Personnel & Training to determine if business practices are needed. Status: Not Started	3 rd Q, 2006	ESS/ITS (JISWG)
ii)	Partner with the Department of Energy to perform a surety assessment on NAESB technical standards and respond to the surety assessment findings and recommendations. Status: Not Started	4 th Q, 2006	EC Officers
iii)	PKI Initiative (e-MARC) (R03007) Status: Underway	3 rd Q, 2006	ESS/ITS (JISWG)
c)	Develop business practices as needed for clarification of definitions and terminology in the Standards of Conduct ³ Status: <u>Underway Completed. Voted out of the EC on 8-15-06.</u>	2 nd Q, 2006	BPS
d)	Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Status: Not Started	4 th Q, 2006	NAESB Staff for with WEQ support



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Revisions Approved by the Board of Directors, June 22, 2006 Offered by the WEQ EC on 8-15-06 in Redline Format

Item Description	Completion ¹	Assignment ²
PROVISIONAL ITEMS		
1 Develop business practice standards as requested by the regional and state advisory groups.		
2 Using the NERC Interconnected Operations Services reference document (<u>March 2002, version 1.1</u>) as a guide and starting point, develop business practices as necessary for ancillary services and/or interconnected operating services transactions.		
3 Develop and or modify business practices related to OATT reform resulting from the <u>Notice of Inquiry, Docket No. RM05-25-000</u> , FERC Notice Requesting Comments, "Preventing Undue Discrimination and Preference in Transmission Services", issued September 16, 2005.		
4 Evaluate the entries on the <u>seams catalog</u> , determine the need for business practice standards and draft the standards requests to develop business practice standards to complement or assist specific seams mitigation efforts as noted in the seams catalog.		
5 Develop business practice standards according to approved and assigned standards requests that complement or assist specific seams mitigation efforts as noted in the <u>seams catalog</u> .		
6 Develop business practice standards as related to the Effectiveness Study of Competitive Wholesale Markets (Congressional Mandate), Electric Energy Market Competition Task Force, Docket No. <u>AD05-17-000</u> , issued by the FERC on October 13, 2005.		
7 Upon the issuance of the final order by FERC, develop and or modify business practices as requested by FERC related to OASIS or Version 0 business practices as <u>filed by NAESB with the FERC on January 18, 2005</u> , in Docket No. RM05-5-000. The FERC Notice of Proposed Rulemaking, <u>RM05-5-000</u> , "Standards for Business Practices and Communication Protocols for Public Utilities," was issued May 9, 2005. The <u>final order</u> was issued on April 25, 2006.		
8 Develop and/or maintain business practice standards to support gas-electric interdependencies <ul style="list-style-type: none"> • 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 Docket No. RM05-28-000. • Evaluate and develop business practice standards for Energy Day (R04016) – request has been withdrawn. • Evaluate and develop business practice standards for electric scheduling timelines (R04020) – request has been withdrawn. 		

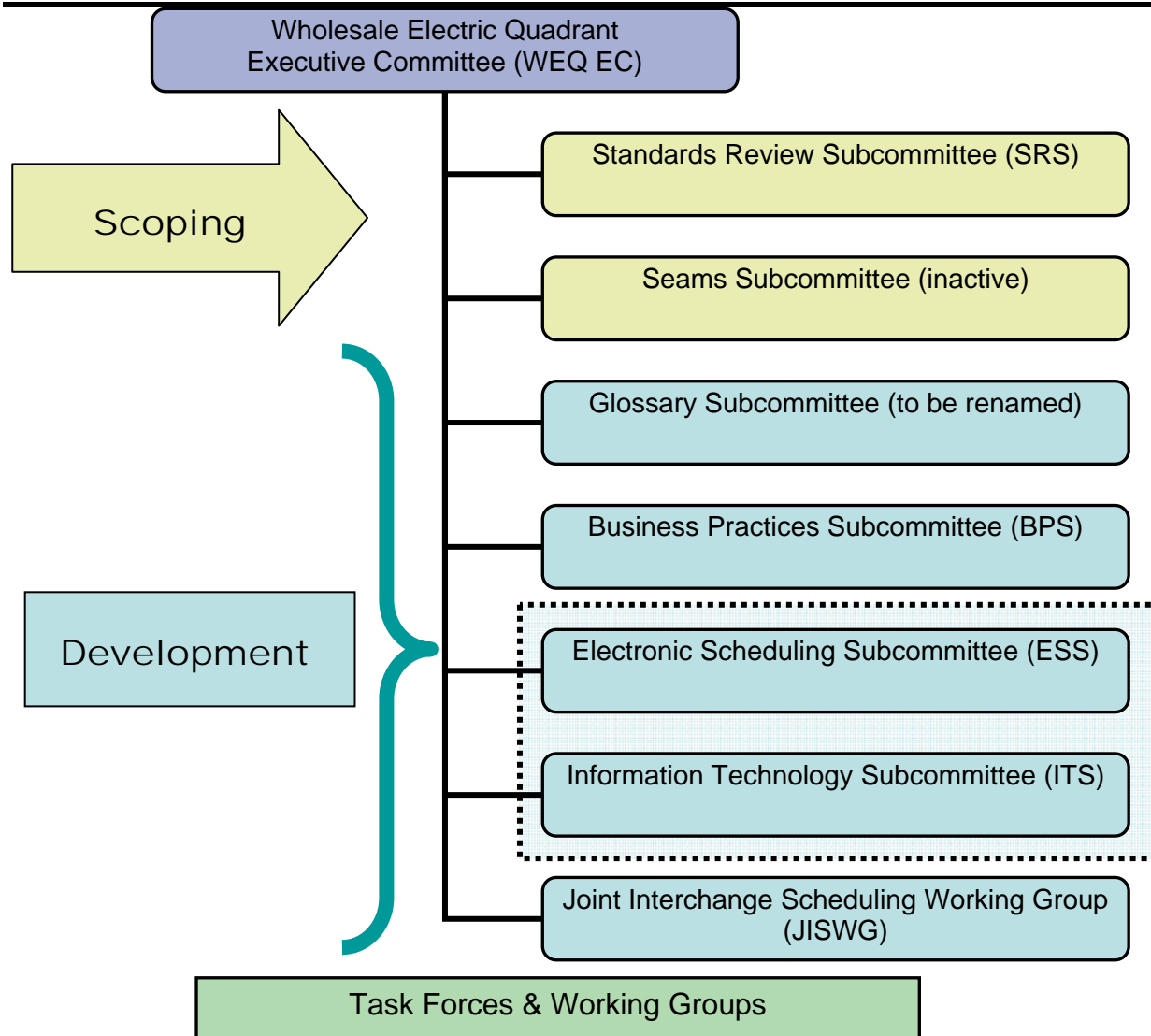


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NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: Kathy York (WEQ EC Chair) and Lou Oberski (WEQ EC Vice Chair)

Standards Review Subcommittee: Raj Rana, Narinder Saini

Seams Subcommittee: Inactive

Business Practices Subcommittee & Task Forces: Kathy York & Joel Dison

Electronic Scheduling Subcommittee/Information Technology Subcommittee & Task Forces: Paul Sorenson, J.T. Wood

- Coordinate Interchange: Roman Carter
- OASIS: J.T. Wood and Wendy Weathers

Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger

Glossary Subcommittee (to be renamed): Vacancy



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End Notes:

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² The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

³ The changes to the Standards of Conduct requested by the Commission in NOPR Docket No. RM05-5-000 are underway and should conclude shortly.



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Revisions Approved by the Board of Directors Proposed by the Retail Gas and electric Quadrants on August 16, 2006 on June 22, 2006

Item Number & Description	Completion ²	Assignment
1 Billing & Payment		
a. Develop Technical Electronic Implementation Standards – Billing & Payments Status: Underway	3 rd Qtr. 2006	TEIS
b. Develop additional model business practices for reversal and reissue, transformer loss factors, budget billing and payment plans, and missed bill windows <u>Status: Completed through the BPS process and submitted to IR.</u>	3rd 4 th Qtr 2006	BPS IR
2 Pre-Enrollment Customer Information		
a. Develop technical transaction processes for exchanging customer information necessary for interactions prior to enrollment and billing, i.e., customer authorization procedures, identifying types of customer information necessary for pre-enrollment activities, and methodologies for exchanging information. <u>Status: Underway. To be presented at the November EC meeting.</u>	2nd 3 rd Qtr. 2006	TEIS
3 Electronic Retail Billing.		
a. Develop information requirements for electronic retail billing transactions and bill payment transactions between customers, suppliers, and utilities pursuant to Request No. R05016. Status: Completed.	1 st Qtr. 2006	IR
b. Develop Technical Electronic Implementation Standards – Electronic Retail Billing <u>Status: Underway. To be presented at the November EC meeting.</u>	3 rd Qtr. 2006	TEIS
4 Customer Enrollment, Drop and Account Maintenance		
a. Develop practices 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. <u>Status: Underway. To be presented at the November EC meeting for enrollment part.</u>	2nd Qtr. 4th Qtr. 2006 2007	BPS
b. 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. <u>Status: Not Started. Customer enrollment should be complete by 4th Qtr 2006, but drops and customer account information should span into 2007.</u>	4 th 3 rd Qtr. 2006 2007	IR



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Revisions Approved by the Board of Directors Proposed by the Retail Gas and electric Quadrants on August 16, 2006 on June 22, 2006

Item Number & Description	Completion ²	Assignment
c. Develop Technical Electronic Implementation Standards – Customer Enrollment, Switching & Dropping. Status: Not Started	4 th Qtr. 2007	TEIS
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: Not Started	4 th Qtr. 2007	BPS
6 Contracts		
a. Develop a model RGQ/REQ contract/outline modeled after the NAESB Base Contract for Sale and Purchase of Natural Gas, NAESB Standard 6.3.1 (NAESB Base Contract for Gas) designated for use by electric power markets or competitive gas markets. (R05013). Status: Underway. To be presented at the November EC meeting.	4 th Qtr. 2006	Contracts
7 Prepare a joint analysis with the WGQ for AS2 and AS3 protocols as compared to the NAESB IET. Status: Not Started.	4 th Qtr. 2006	TEIS & WGQ EDM
8 Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. Status: Not Started.	4 th Qtr. 2006	TEIS
9 Partner with the Department of Energy's Sandia National Laboratories on NAESB technical standards and respond to the surety assessment findings and recommendations. Status: Underway	4 th Qtr. 2006	EC Officers ³
Program of Standards Maintenance & Fully Staffed Standards Work⁴		
Business Practice Requests	Ongoing	Assigned by the EC ⁵
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC ⁵
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC ⁵
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC ⁵



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Revisions ~~Approved by the Board of Directors~~ Proposed by the Retail Gas and electric Quadrants on August 16, 2006 on
~~June 22, 2006~~

Item Number & Description	Completion ²	Assignment
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary
Provisional Activities		
Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).		



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Future 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.

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.

Load Profiling: Develop practices for using statistical methods to estimate interval consumption by customers who do not have interval meters.

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

Retail Gas Quadrant Effort Only:

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

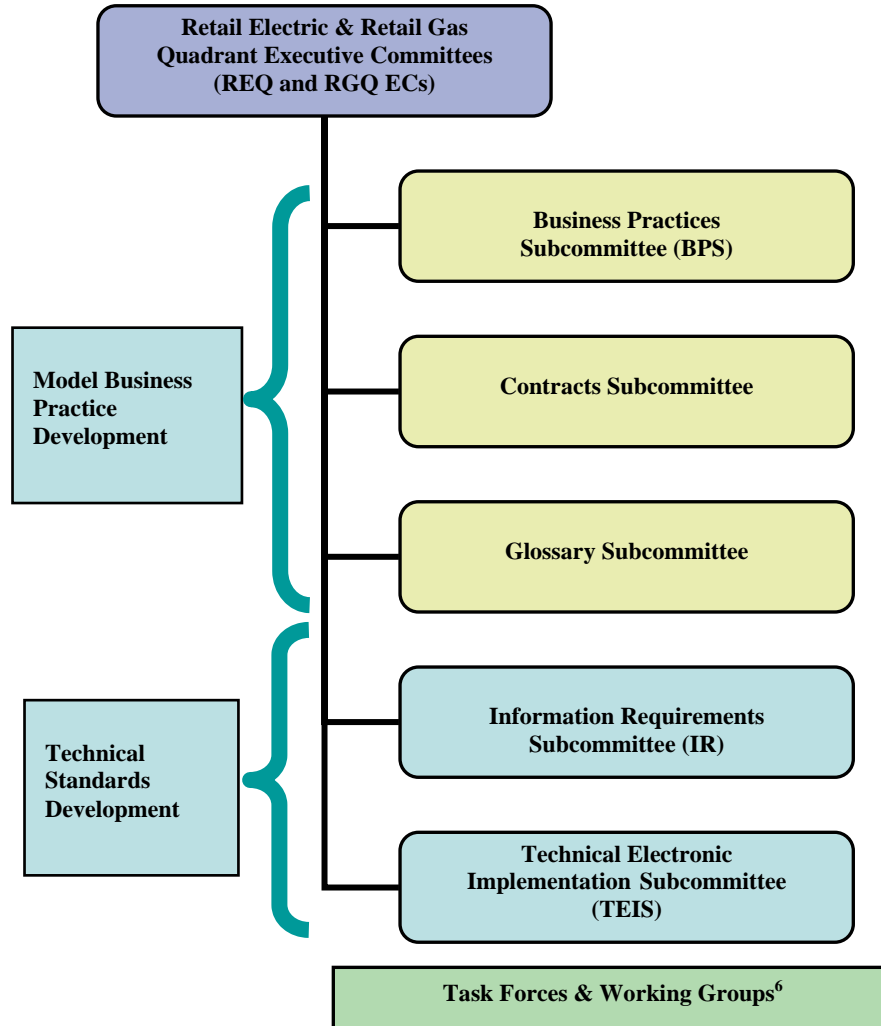


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NAESB RGQ EC and Subcommittee Leadership:

Executive Committee: Mike Novak, Chair and Suzanne Calcagno, Vice-Chair

Business Practices Subcommittee: Phil Precht

Information Requirements Subcommittee: George Behr

Technical Electronic Implementation Subcommittee: George Behr

Contracts Subcommittee: Marcy McCain and Suzanne Calcagno

Glossary Subcommittee: Don Sytsma

NAESB REQ EC and Subcommittee Leadership:

Executive Committee: Ruth Kiselewich, Chair and Ed Overtree, Vice-Chair

Business Practices Subcommittee: Mary Edwards and Dan Jones

Information Requirements Subcommittee: Ed Overtree

Technical Electronic Implementation Subcommittee: Jennifer Teel

Contracts Subcommittee: Ed Overtree

Glossary Subcommittee: Mary Edwards and Patrick Eynon



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End Notes:

¹ 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.

² 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 so as 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.

³ The project with SNL is a four quadrant effort, with all EC officers providing support to the SNL representatives.

⁴ This work is considered routine maintenance and thus the items are not separately numbered.

⁵ The REQ and RGQ ECs will assign maintenance efforts on a request by request basis.

⁶ 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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NAESB BOARD OF DIRECTORS MEETING MATERIALS
 STANDARDS ADOPTED TO DATE IN 2006
 SEPTEMBER 14, 2006

STANDARDS ADOPTED IN 2006

FOR THE WHOLESALE GAS QUADRANT

- **Clarification C05002:** Clarification to NAESB WGQ Standard 4.3.88 – add proposed WGQ Interpretation 7.3x regarding a clarification for usage of 128-bit Secure Socket layer encryption under NAESB WGQ Standard 4.3.88. (*Ratified on 1/9/06.*)
- **Recommendation R98037** (Add a non-textual data element that will tie the offers of a Not-Stand-Alone Offer together to the existing UPPD data set and the Non-Prearranged Deals data set under development(*Ratified on 4/17/06.*).
- **Recommendation R00012/R00013** (Add Bidder Notice Address and Bidder Notice Contact data elements to the Bid Upload and the Offer Upload Bidder Confirmation with corresponding validation codes added to the Bid Upload Quick Response and Offer Upload Bidder Confirmation Quick Response/ Add Bidder Invoice Contact and Bidder Invoice Address data elements to the Bid Upload and the Offer Upload Bidder Confirmation with corresponding validation codes added to the Bid Upload Quick Response and Offer Upload Bidder Confirmation Quick Response). (*Ratified on 4/17/06.*)
- **Recommendation R00014** (Add Signatory Name and Signatory Title data elements to the Bid Upload and the Offer Upload Bidder Confirmation, with corresponding validation codes added to the Bid Upload Quick Response and Offer Upload Bidder Confirmation Quick Response (*Ratified on 4/17/06.*).
- **Recommendation R00019** (Change the usage of Releaser Company Code from Mandatory to Conditional in the Bid Upload). (*Ratified on 4/17/06.*)
- **Recommendation R00027** (Add a Status data element to the Offer Download, Bid Download and the Award Download. (GISB Interpretation No. 7.3.43)). (*Ratified on 4/17/06.*)
- **Recommendation R01017** (Add a Date Time Period Format Qualifier for seasonal Start Date and Seasonal End Date)). (*Ratified on 4/17/06.*)
- **Recommendation R03035B** (Standardize methodologies for calculating gas quality parameters). (*Ratified on 6/23/06.*)
- **Recommendation R98081/R98082** (Define a means of requesting and sending a dataset that communicates RTU Alarms/Define a means of requesting and sending a dataset to communicate RTU Events). (*Ratified on 6/23/06.*)
- **Recommendation R99013** (Define a means of requesting and providing pre-approved bidders list used in capacity release). (*Ratified on 6/23/06.*)
- **Recommendation R00022/R00023** (Add Right of First Refusal Indicator and Right of First Refusal Terms data elements to the Offer Download, Offer Upload and Offer Upload Notification, with corresponding validation codes added to the Offer Upload Quick Response/Add Rollover Rights Indicator and Rollover Rights Terms data elements to the header level of the Offer Download (5.4.1), Offer Upload (5.4.7) and Offer Upload Notification (5.4.9), with corresponding validation codes added to the Offer Upload Quick Response (5.4.8)). (*Ratified on 6/23/06.*)



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NAESB BOARD OF DIRECTORS MEETING MATERIALS STANDARDS ADOPTED TO DATE IN 2006 SEPTEMBER 14, 2006

- **Recommendation R02003/R02004** (Add a new Capacity Release data element - Discount Indicator/Add new code values for the discount indicator in the Capacity Release Data Sets). *(Ratified on 6/23/06)*.
- **Recommendation R00006** (Add twelve new code values for the Transaction Type data element in the nomination, flowing gas and invoicing related data sets). *(Ratified on 9/4/06)*.
- **Recommendation R05014** (Review the current NAESB WGQ's "Base Contract for Purchase and Sale of Natural Gas" for possible update and revisions to reflect current industry practices and applicable general terms and conditions). *(Ratified on 9/4/06)*.
- **Recommendation R05015** (Add language to the NAESB WGQ Implementation Guide(s) discussing the use of discretionary verbs). *(Ratified on 9/4/06)*.

FOR THE RETAIL QUADRANTS

- No model business practices have been adopted by the Retail Quadrants to date in 2006.

FOR THE WHOLESALE ELECTRIC QUADRANT

- **Recommendation R04035/R05002:** Clarify OASIS 1A nomenclature and amend WEQ standard 4.19/Amend sections 9.5 and 10.5 of OASIS 1A redirect standards. *(Ratified on 1/9/06)*.
- **Recommendation R04013A:** WEQ Annual Plan Item 1 - Develop Version 0 business practice standards that complement NERC's Version 0 reliability standards – TLR. *(Ratified on 4/10/06)*.
- **Recommendation R04006F:** Naming Standards for PORs/PODs, PATHs, Sources/Sinks, etc. on OASIS. *(Adopted by WEQ Executive Committee on 5/9/06; Does not need to be ratified as it is a recommendation to maintain the status quo)*.
- **Recommendation R04007:** Develop OASIS Phase II implementing NERC's functional model and other improvements; *(Adopted by WEQ Executive Committee on 5/9/06; Does not need to be ratified as it is a recommendation to maintain the status quo)*.
- **Recommendation R05001:** Amend WEQ R03013 to align coordinate interchange transactions with Version 0. *(Ratified on 6/22/06)*.
- **Recommendation R05007:** Removal of ERCOT references to WEQ Version 0 Standards. *(Ratified on 6/22/06)*.
- **Recommendation R06002 (Revised):** Modify the NAESB pre-split Version 0 TLR BP to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (SPP regional difference for the inclusion of market flows); *(Ratified on 9/1/06)*.
- **Recommendation for WEQ 2006 Annual Plan Item (3)(c)(i) as revised by the WEQ Executive Committee:** Development of business practice for Standards of Conduct link on OASIS page; *(Ratification Ballots due on 10/2/06)*.
- **Recommendation R04036 as revised by the WEQ Executive Committee:** Amend definitions, terms and numbering of WEQ Order 2004 (affiliate) standards; *(Ratification Ballots due on 10/2/06)*.
- **Recommendation R04006D as revised by the WEQ Executive Committee:** OASIS 1A Enhancements - Sale or Assignment of Transmission Service; *(Ratification Ballots due on 10/2/06)*.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS REQUESTS RECEIVED FOR STANDARDS DEVELOPMENT IN 2006 SEPTEMBER 14, 2006

REQUESTS RECEIVED IN 2006

FOR THE RETAIL QUADRANTS

- **R06004** – Received January 16, 2006, Submitted by Columbia Gas Transmission, Minor revisions to EDI Trading Partner Agreement Standard 6.3.3, Assigned to both the WGQ Contracts Subcommittee and the Retail Contracts Subcommittee.

FOR THE WHOLESALE GAS QUADRANT

- **R06001** – Received November 1, 2005, Submitted by Kinder Morgan Add two Nomination Transaction Type codes to support the nomination and tracking of the shipping entity or producing entity on the interconnecting facility where title tracking is employed by the TSP, Assigned to the WGQ Information Requirements Subcommittee
- **R06003** – Received January 13, 2006, Submitted by Northern Plains Natural Gas, Add "Compression Use Surcharge" code value for "Surcharge Identification Code" data element, Assigned to the WGQ Information Requirements Subcommittee
- **R06004** – Received January 16, 2006, Submitted by Columbia Gas Transmission, Minor revisions to EDI Trading Partner Agreement Standard 6.3.3, Assigned to both the WGQ Contracts Subcommittee and the Retail Contracts Subcommittee.
- **R06005** – Received February 10, 2006, Submitted by El Paso Eastern Pipeline, Add "Special terms and Miscellaneous notes" as SO data element to the Transactional Reporting - Interruptible Transportation data set (5.4.22).
- **R06007** – Received April 14, 2006, Submitted by Northern Natural Gas, Add Reduction Reason code to Scheduled Quantity, Operator Scheduled Quantity and Confirmation Response.
- **R06008** – Received on May 12, 2006, Submitted by National Fuel Gas Distribution, Modify WGQ Business Practice Standard 4.3.90 to clarify that all available data at representative points should be made available by Transmission Service Providers.
- **R06009** – Received on May 15, 2006, Submitted by Tennessee Gas Pipeline Company, Develop a standard that would enhance the communications between Transportation Service Providers (TSP) and their customers pertaining to nominations related deadlines.
- **R06011** – Received on July 26, 2006, Submitted by Northern Natural Gas, Add 3 detail (contract) level and 1 sub detail (nomination) level code values to Validation Code and Message elements in Nomination Quick Response dataset.
- **R06012** – Received on July 12, 2006, Submitted by Williams Gas Pipeline, Add two (2) new code values for the data element "Transaction Type" into Transaction Datasets.
- **R06013** – Received on August 7, 2006, Submitted by Duke Energy Gas Transmission, Add code values for the Charge Type data element in the Transportation/Sales Invoice dataset.
- **R06014** – Received on August 7, 2006, Submitted by Duke Energy Gas Transmission, Add code values for the Rate Identification Code data element in the Transactional Reporting datasets.



North American Energy Standards Board

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NAESB BOARD OF DIRECTORS MEETING MATERIALS REQUESTS RECEIVED FOR STANDARDS DEVELOPMENT IN 2006 SEPTEMBER 14, 2006

- **R06015** – Received on August 7, 2006, Submitted by Duke Energy Gas Transmission, Add code values for the Rate Identification Code data element in the Offer Download, Bid Download, Award Download, Offer Upload, Offer Upload Quick Response, Offer Upload Notification, Bid Upload and Bid Upload Quick Response datasets.
- **R06016** – Received on August 29, 2006, Submitted by Texas Gas Transmission, LLC, Expand the processing definition for "Submit" (found in standard 4.3.69) to include the sending of records to the TSP for processing from the Form as well as the Matrix. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*
- **R06017** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Nomination Quick Response, standard 1.4.2, at the sub-detail level. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*
- **R06018** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Confirmation Response Quick Response, standard 1.4.2, at the detail level. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*
- **R06019** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Pre-determined Allocation Quick Response, standard 2.4.2, at the sub-detail level. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*
- **R06020** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Pre-determined Allocation Quick Response, standard 2.4.2, at the detail level. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*
- **R06021** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Transaction Type in Nomination, Scheduled Quantity, Transportation/Sales Invoice and any other applicable NAESB datasets. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*
- **R06022**– Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new Location Quantity Type Indicator code values for Offer Download, Bid Download, Award Download, Replacement Capacity, Offer Upload, Offer Upload Notification, Operationally Available, Unsubscribed Capacity, Bid Upload, Transactional Reporting – Capacity Release, Firm Transportation, and Interruptible Transportation. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*
- **R06023** – Received on August 31, 2006, Submitted by Texas Gas Transmission, LLC, Add new Reduction Reason code values for Scheduled Quantity, Scheduled Quantity for Operator and any other applicable NAESB datasets. *(It is anticipated that when the Triage Subcommittee reviews this request, it will assign the request to the Wholesale Gas Quadrant).*

FOR THE WHOLESALE ELECTRIC QUADRANT

- **R06002** – Received January 9, 2006, Submitted by North American Electric Reliability Council (NERC), Modify NAESB pre-split Version 0 TLR business practices to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (inclusion of market flows), Assigned to the WEQ Business Practices Subcommittee.
- **R06006** – Received February 23, 2006, Submitted by the NERC/NAESB Joint Interchange Scheduling Working Group (JISWG), Develop standards to allow for registered Market Operators to request changes to the Market Level profile of Implemented Interchange.
- **R06010** – Received May 31, 2006, Submitted by Western Electricity Coordinating Council (WECC), Modify the timing chart for the Western Interconnection in WEQBPS-006 to an initiation of manual time error at +/-5 seconds.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS FERC FILINGS AND SCHEDULES SEPTEMBER 14, 2006

FERC FILINGS

- **February 17, 2006:** An update was filed with the FERC which addressed 4 issues: (1) the comments filed by NERC that asked that three sets of business practices in Version 0 be remanded back to NERC, (2) the TLR process and the plans for ensuring that the business practices and the reliability standards stay closely coordinated, (3) the Inadvertent Interchange Payback report which noted that the Inadvertent Interchange business practices standards for Version 0 are to remain unchanged, and (4) a joint standards development process for NERC and NAESB. The update related to Docket No. RM05-5-000.
- **February 24, 2006:** The Board of Directors unanimously approved the GEIC report on February 17 which was subsequently filed with the FERC on February 24, 2006.
- **April 25, 2006:** FERC Order 676 issued along with a NAESB press release and NAESB summary of the order. The utilities are to adopt and implement standards by July 1 with waivers to be requested by June 1.
- **June 28, 2006:** Docket No. RM05-28-000: Standards for the Coordination of Business Practices between Public Utilities and Interstate Natural Gas Pipelines: Permanent numbers were assigned to the NAESB WGQ and WEQ standards to implement uniform gas/electric coordination communications that were previously provided to the Commission on June 27, 2005. The renumbered standards were provided to the FERC for the Commission's reference.
- **August 7, 2006:** NAESB Comments on Docket Nos. RM05-25-000 and RM05-17-000: Preventing Undue Discrimination and Preference in Transmission Services. NAESB reviewed the NOPR issued in Docket Nos. RM05-25-000 and RM05-17-000 and identified potential NAESB standards development efforts. The analysis includes identification of possible NAESB standards development tasks, estimates of the level of effort for each task, and identifies possible task interdependencies.

FERC FILING PROPOSED SCHEDULE

- NAESB has submitted two filings to the FERC to date in 2006 as noted below.

Filed in the 1st Quarter 2006

- (1) WEQ: Version 0 split of transmission loading relief (RM05-5-000) –Filed 2-17-06
- (2) WEQ: Inadvertent Interchange Payback report and comments (RM05-5-000) – Filed 2-17-06
- (3) WEQ and WGQ: Follow up report from the Gas-Electric Interdependency Committee (RM05-28-000) – Filed 2-24-06

Planned by 3rd Quarter 2006

- (4) WEQ: A report was provided to the Commission on August 7 related to Docket Nos. RM05-25-000 and RM05-17-000. The report included a list of items that may require NAESB attention and standards development dependent on the final order and proposed staging of development and industry implementation. – Filed August 7, 2006.
- (5) WGQ: Gas Quality Part 2 – Part B of the request R03035, reporting of assumptions and calculations used in measurement of gas quality specifications (RM96 et al)
- (6) WGQ: Version 1.8 WGQ standards (publish date in September 30, 2006) (RM96 et al)



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**NAESB BOARD OF DIRECTORS MEETING MATERIALS
FERC FILINGS AND SCHEDULES
SEPTEMBER 14, 2006**

Planned by 4th Quarter 2006

- (7) WEQ: Several enhancements to OASIS including redirect modifications, resales and transfers, and changes to 10.6 (clarification of “all other types” – see our July 1 comments on RM05-5-000)
- (8) WEQ: Release mechanisms on the S&CP (RM05-5-000)

Planned by 1st Quarter 2007

- (9) WEQ: TLR Version 0 split to be filed after it ratified and verified against the NERC reliability standards using the joint standards development template. (RM05-5-000)
- (10) WEQ: Possible Version 1 changes to the standards including Coordinate Interchange Business Practices, TLR.
- (11) WEQ: Business Practices for the ATC/TTC functions should be filed with the FERC by year-end as requested by the Commission on May 18 in Docket No. RM05-25-000.

NORTH AMERICAN ENERGY STANDARDS BOARD
MEETING OF THE MEMBERS, STRATEGIC SESSION & BOARD OF DIRECTORS MATERIALS
SEPTEMBER 21, 2006

TAB 7

FINANCIAL REPORT

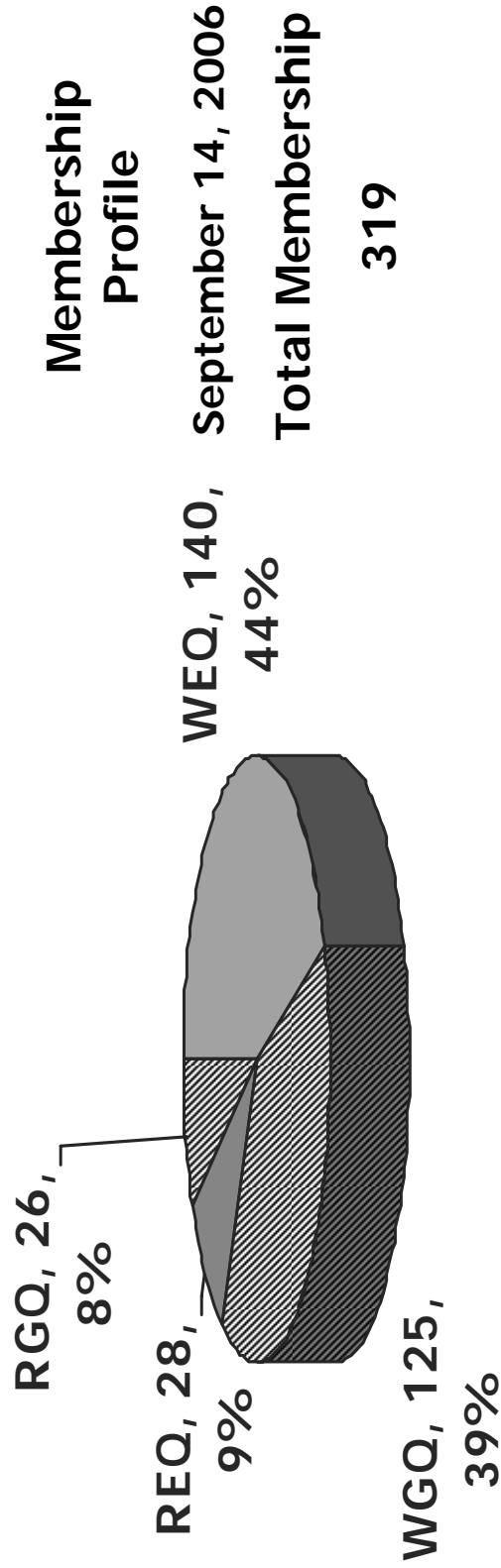
This section includes:

- Membership Report and Statistics
- Financial Reports YTD for 2006

The material presented is background information for the discussion of agenda item 5. This is for informational and discussion purposes with the no action expected of the board.

North American Energy Standards Board

9/14/06



Quadrant Statistics	WEQ	WGQ	REQ	RGQ	Total
Membership YE 2005	140	123	28	28	319
Net Change	0	+2	0	-2	0
Change in Quadrant	0	0	0	0	0
Membership YTD	140	125	28	26	319

North American Energy Standards Board Membership List
As of September 14, 2006

NAESB Membership Statistics – Changes by Quadrant for 2006 as of September 14, 2006

NAESB Membership Report - Quadrant/Segment Membership Analysis		Number of Members
WGQ Segments	Total	125
	End Users	17
	Distributors	25
	Pipelines	39
	Producers	14
	Services	30
REQ Segments	TOTAL	28
	End Users	5
	Distributors	13
	Services	5
	Suppliers	5
RGQ Segments	TOTAL	26
	End Users	3
	Distributors	12
	Services	5
	Suppliers	6
WEQ Segments	TOTAL	140
	End Users	10
	Distributors	23
	Transmission	46
	Generation	29
	Marketers	29
	None Specified	3

North American Energy Standards Board Membership List
As of September 14, 2006

WEQ	New Members:	7
	<i>South Carolina Electric & Gas Company, SUEZ Energy Marketing NA, Inc., Hydro One Networks, Powerex Corp., Deseret Generation & Transmission Co-operative, MidAmerican Energy Company, South Carolina Electric & Gas Company</i>	
	Member Resignations:	7
	<i>DTE Energy, The Boeing Company, Cinergy, Calpine Corporation, Entergy Services, Inc., Oglethorpe Power Corporation, Minneapolis Consulting Group</i>	
WGQ	New Members:	7
	<i>Cheniere LNG Marketing, Inc., DTE Energy Trading, Inc., Maquarie Cook Energy, LLC, Mirant Energy Trading, LLC, ONEOK, Pemex Gas Y Petroquimica Basia, Vega Energy Partners, Ltd.</i>	
	Member Resignations:	4
	<i>Cinergy-regulated, Enbridge Offshore Pipelines, LLC, Oxadel Consulting, LLC, Pemex Gas Y Petroquimica Basia, Cinergy</i>	
REQ	New Members:	1
	<i>TXU Electric Delivery</i>	
	Member Resignations:	1
	<i>Savannah Electric and Power Company</i>	
RGQ	New Members:	1
	<i>Interstate Gas Supply</i>	
	Member Resignations:	3
	<i>R.J. Rudden Associates, Inc., SunGard EnForm Consulting, Duke Energy Gas Transmission</i>	
TOTAL	New Members	16
	Member Resignations:	15

Quadrant	Organization	Segment	Contact	Sub-Segment
Retail Electric Quadrant:	1	Alabama Power	d	Judy W. Ray, Yvette Camp
	2	Ameren Services Company	d	Patrick Eynon
	3	Baltimore Gas & Electric Co.	d	Ruth Kiselewich
	4	Calpine Energy Services, LP	su	Janet Dixon
	5	Cinergy Services, Inc.	d	Paul K. Jett
	6	Consolidated Edison Company of NY	d	Hollis Krieger
	7	Constellation NewEnergy, Inc.	d	Sara O'Neill, Peter Kelly-Detwiler, Jansen Pollock

North American Energy Standards Board Membership List
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Quadrant	Organization	Segment	Contact	Sub-Segment	
	8	Defense Energy Support Center	e	Lisa Robert	
	9	Direct Energy Business Services	su	David Booty	
	10	Dominion Retail	su	William Barkas, Richard Zelenko	
	11	Dominion Virginia Power	d	David F. Koogler, Mary Edwards	
	12	EC Power International	s	Judy Bailey, J. Cade Burks, Jennifer Teel	
	13	Electric Reliability Council of Texas (ERCOT)	s	Sam R. Jones, Rob Connell, Ray Giuliani	
	14	Exelon Energy Delivery	d	Toni Garza	
	15	Gulf Power Company	d	Joel Thomas Kilgore	
	16	MidAmerican Energy	d	James E. Wilson	
	17	Mississippi Power Company	d	Dorman Davis	
	18	Office of Public Advocate, State of Maine	e	Barbara Alexander	
	19	Ohio Consumers Council	e	Randy Corbin	
	20	Pennsylvania Office Of Consumer Advocate	e	Tanya J. McCloskey, Sonny A. Popowsky	
	21	PPL Solutions, LLC	s	James M. Minneman	
	22	Public Service Electric & Gas	d	Terrence Moran	
	23	Southern Company Services	s	Mark S. Jarrett, Yvette Camp	
	24	Structure Group	s	Stacey Wood	
	25	TXU Electric Delivery	d	Tommy Weathersbee, Debbie McKeever	
	26	TXU Energy Retail	su	Felecia Lokey	
	27	Wal-Mart Stores, Inc.	e	Angela Beehler	
	28	Wisconsin Public Service Corporation	d	William L. Bourbonnais, Les Nishida, Ken Thiry	
Wholesale Gas Quadrant:	1	8760	s	Jim Buccigross	
	2	American Electric Power Service Corporation	s	Cathy Szasz	
	3	Alliance Pipeline LP	pl	Neil Coghlan	
	4	Ameren Corporation	l	Scott Glaeser	
	5	Anadarko Energy Services Company	s	John Bretz, Steve Abbey	
	6	Apache Corporation	pr	Kelley Powell	

North American Energy Standards Board Membership List
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Quadrant	Organization	Segment	Contact	Sub-Segment
7	Arizona Public Service Company	e	Ken Nordlander, Kelly Daly, Curt Brechtel	
8	Atmos Energy	pl	Steve Easley	
9	Ballard Natural Gas, LLC	s	Susan Thibodeaux	
10	Baltimore Gas & Electric Co.	l	Phil Precht	
11	Barclays Bank PLC	s	Guy Kern-Martin	
12	BG LNG Services, LLC	s	Martha Braddy	
13	Boeing Co., The	e	Tina Burnett	
14	BP Energy	pr	Bill Benham, Lauren Kaestner	
15	Bridgeline Gas Marketing	pl	Georgia Blanchard	
16	Burlington Resources	pr	Paul Keeler	
17	Calpine Energy Services, LP	e	Janet Dixon, Craig Chancellor	
18	Cargill Incorporated	s	Kathy Gerken	
19	Cascade Natural Gas Corporation	l	Mark Sellers-Vaughn	
20	CenterPoint Energy Gas Resources Corp.	s	James G. Beste	
21	CenterPoint Energy Gas Transmission Company	pl	Larry Thomas	
22	CenterPoint Energy Mississippi River Transmission Corporation	pl	Robert Trost	
23	Chandeleur Pipe Line Company	pl	Janice E. Rogers	
24	Cheniere LNG Marketing, Inc.	s	Mark Stubbe, Tammy Miller	
2	Chevron/Texaco	pr	Randy Mills	
26	Cimarex Energy Co.	pr	Charlotte Baker	
27	Cinergy Marketing and Trading	s	Maribeth Bedevian	
28	Columbia Gas Transmission	pl	Carl Levander	
29	Comprehensive Energy Services	e	Jim Templeton	
30	ConocoPhillips Gas and Power	pr	Peter Frost	
31	Consolidated Edison Company of NY	l	Scott Butler, Paul Olmsted	
32	Constellation Commodities Group, Inc.	s	Robert McKay	
33	Dauphin Island Gathering Partners	pl	Katie Rice	
34	Defense Energy Support Center	e	Veronica Jones, Kevin Ahern	
35	Department of Energy	e	Christopher Freitas	
36	Dominion Exploration and Production, Inc.	pr	David Ogden, Gary Weaver, Sheri Heslington	
37	Dominion Resources	l	Craig Columbo	
38	Dominion Transmission, Inc.	pl	Gary Sypolt, Iris King	

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
39	DTE Energy Trading, Inc.	s	Miki Kolobara	
40	Duke Energy Gas Transmission - Texas Eastern	pl	Richard Kruse	
41	El Paso Natural Gas	pl	William Griffith	
42	El Paso Production Company	pr	Bill Hebenstreit	
43	Enbridge Energy Company, Inc.	pl	Terry McGill	
44	EnCana Marketing (USA) Inc.	s	Keith Sappenfield	
45	EnCana Corporation	pr	Keith Sappenfield	
46	Energy East Management Corporation	l	Marjorie Perlman	
47	Entergy Services, Inc.	e	Arlynn Kelleher, Terry Shields	
48	Enterprise Products Partners L.P.	pl	Richard W. Porter	
49	Equitable Gas Company	l	Steve Rafferty	
50	Equitrans, L.P.	pl	Mina Speicher	
51	ExxonMobil Gas Marketing	pr	Richard Smith	
52	Florida Power & Light Company	e	Dona Gussow	
53	Florida Reliability Coordinating Council	e	Ken Wiley	
54	Gas Transmission Northwest Corp.	pl	Jay Story	
55	Great Lakes Gas Transmission	pl	Gene Fava	
56	Group 8760	S	Jim Buccigross	
57	Gulf South Pipeline	pl	Randy Young	
58	H S Resources Inc.	pl	Carol Hall	
59	Imperial Irrigation District	e	William Rapp	
60	Iroquois Gas Transmission System	pl	Tom Gwilliam	
61	Kern River Gas Transmission Company	pl	Brenda Horton	
62	Kerr-McGee Oil and Gas Corporation	pr	Charles (Chuck) Johnson	
63	Key Span Energy	l	Dolores Chezar	
64	Laclede Gas Co.	l	Kenneth Neises	
65	Latitude Technologies	s	Leigh Spangler	
66	Louis Dreyfus Energy Services	s	Mary Ellen Bell, Ruby H. Melton	
67	Lower Colorado River Authority	e	Mickey Bell	
68	Macquarie Cook Energy, LLC	s	Angela Jones	
69	Marathon Oil Company	pr	Robin Perrine	
70	Mewbourne Oil Company	pr	Michael F. Shepard	
71	Mirant Energy Trading, LLC	e	Laura Trautman, Nicole Daggs	

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
72	National Fuel Gas Distribution	1	Michael Novak	
73	National Fuel Gas Supply Corp.	pl	Joseph Kardas	
74	Natural Gas Pipeline Co of America	pl	Paul Love	
75	New Jersey Natural Gas Company	1	Douglas C. Rudd	
76	Niagara Mohawk Power Corporation	1	Bruce Garcy	
77	Nicor Gas	1	Mary Wolosek, Shirley Holmes	
78	NiSource Inc.	1	George Simmons	
79	NJR Energy Services Company	s	Ginger Richman	
80	Northern Natural Gas	pl	Mary Darveaux	
81	Northwest Natural Gas Company	1	Randolph Friedman	
82	NOVA Gas Transmission Ltd.	pl	Doug Miller	
83	Occidental Energy Marketing Inc. (OEMI)	pr	Melinda Duncan	
84	ONEOK	1	Patricia Anderson	
85	ONEOK Partners GP, LLC	pl	Scott Coburn	
86	Pacific Gas & Electric	1	John Breen	
87	Panhandle Eastern Pipe Line	pl	William Grygar, Kim Van Pelt	
88	PECO Energy Co.	1	Reed R. Horting, Amy Hamilton	
89	Pemex Gas Y Petroquimica Basica	s	Juan Enrique Gonzalez Azuara	
90	Peoples Gas Light & Coke Co.	1	Tom Zack	
91	Platts	s	Bill Murphy	
92	Portland General Electric	pl	Kathy Davies	
93	Portland Natural Gas Transmission System	pl	David Haag	
94	Powerex Corp.	s	Sharole Tylor	
95	PPL EnergyPlus, LLC	e	Anne Lovett	
96	Public Service Electric & Gas	1	David Wohlfarth	
97	Questar Pipeline Co.	pl	Scott Hansen	
98	Quorum Business Solutions Inc.	s	Mark Davis	
99	Sabine Pipe Line LLC	pl	Jan Rogers	
100	Salt River Project Agricultural Improvement & Power District	e	Diane McVicker	
101	SCANA Corporation	pl	Jacquelyn Gettle	
102	Sempra Energy - Southern California Gas Co.	1	Lee Stewart, Rodger Schwecke	
103	Sequent Energy Management, L.P.	s	Pat Metteauer	

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
	104 SolArc Inc.	s	Tim Curtis	
	105 Southern California Edison Company	e	Roman Bakke	
	106 Southern Company Services, Inc.	e	Alan Kilpatrick	
	107 Southern Natural Gas Co.	pl	Renee Hyde, Tracey Nicholson	
	108 Southern Star Central Gas Pipeline	pl	James L. Harder, Dale Sanders	
	109 Southwest Gas Corporation	l	Larry Black	
	110 SunGard	s	Deborah Feliciano, Lucia Nail	
	111 Telvent	s	William (Bill) Morrow	
	112 Tennessee Gas Pipeline Company	pl	Larry Smith, Mark Gracey	
	113 Tennessee Valley Authority	e	Valerie Crockett	
	114 Texas Gas Transmission, LLC	pl	Jeff Bittel	
	115 Tiger Natural Gas	s	Bob Smith	
	116 TransCanada Pipelines	pl	Doug Miller	
	117 Trinity Apex Systems	s	Richard (Dick) Couron	
	118 UBS Energy LLC	s	Suzanne Calcagno	
	119 Vector Pipeline L.P.	pl	Amy Bruhn	
	120 Vega Energy Partners, Ltd.	s	Lori Leeder	
	121 Washington Gas Light Co.	l	Adrian Chapman, Ken Yagelski	
	122 Westfield Gas & Electric Light Dept.	l	Joyce Bodak	
	123 Williams Gas Pipeline	pl	Dale Davis, Ron Mucci	
	124 Williston Basin Interstate Pipeline	pl	Keith Tiggelaar	
	125 Wisconsin Public Service Corporation	l	Ronald G. Mosnik	
Wholesale Electric Quadrant:	1 ACES Power Marketing LLC	m	Roy J. True	muni
	2 Alabama Electric Cooperative, Inc.	d	William Ronald Graham	muni
	3 Ameren Services	m	Shawn Schukar	iou
	4 American Electric Power Service Corp.	m	Barbara Radous, Joseph Hartsoe, Phil Cox	iou
	5 American Electric Power Service Corp.	t	John Stough	iou
	6 American Municipal Power - Ohio, Inc.	d	Pat Frazier, Chris Norton	muni
	7 American Public Power Association	d	Allen Mosher	muni
	8 American Transmission Company LLC	t	Julie Voeck	itc
	9 Aquila, Inc.	g	Tom Saitta	iou

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
10	Arizona Public Service Company	t	Mark W. Hackney	iou
11	Basin Electric Power Cooperative	t	Dan Klempel	muni
12	Basin Electric Power Cooperative	m	David Raatz	nd
13	Basin Electric Power Cooperative	g	Jason Doerr	muni
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	fed
18	BP America Inc.	e	Jeanne Zaiontz	lind
19	Central Electric Power Cooperative	d	Arthur Fusco	muni
20	ChevronTexaco Energy Research and Technology	e	Carol Guthrie	sgen
21	Cleco Power, LLC	t	Keith Comeaux	iou
22	Comprehensive Energy Services	e	Jim Templeton	enduse
23	Conectiv Energy Supply, Inc.	g	Gloria Ogenyi, Paul Dwyer	merc
24	Conectiv Energy Supply, Inc.	m	Gloria Ogenyi, Paul Dwyer	iou
25	Consolidated Edison Company of New York, Inc.	t	Scott Butler	iou
26	Constellation Generation Group	g	Michael Gildea	merc
27	Consumers Energy Company	d	Andrew C. Dotterweich, Frank Johnson	iou
28	Consumers Energy Company	g	Steven L. Gaarde, Andrew C. Dotterweich, John J. Dellas	iou
29	Dairyland Power Cooperative	t	Chuck Callies	muni
30	Department of the Interior, Bureau of Reclamation	g	Deborah M. Linke	fed
31	Deseret Power Electric Co-op	g	Curt Winterfeld	muni
32	Dominion Energy Marketing, Inc.	g	Lou Oberski	iou
33	Duke Energy Americas, LLC (DEA)	g	Walt Yeager	iou
34	Duke Energy Americas, LLC (DEA)	m	Walt Yeager	iou
35	Duke Energy Corp.	d	Ollie Frazier	iou
36	Dynegy Power Marketing, Inc.	g	Barry Huddleston	merc
37	Edison Electric Institute	n	David Owens, Dave Dworzak	N
38	Edison Mission Marketing & Trading, Inc.	g	William Roberts	merc
39	Electric Reliability Council of Texas (ERCOT)	n	Sam R. Jones, Ray Giuliani	n
40	ElectriCities of North Carolina (North Carolina Eastern Municipal Power Agency)	g	Gregory Locke	muni

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
41	Electricity Consumers Resource Council (ELCON)	e	John Anderson, John Hughes	lind
42	Empire District Electric Company, The	t	Bary K. Warren	iou
43	Energy East Management Corporation	t	Marjorie Perlman	iou
44	Entergy Services, Inc.	t	Edward J. Davis	iou
45	Exelon Corporation - PECO Energy	d	John McCawley	iou
46	Exelon Generation - Power Team	m	Jack Crowley	iou
47	ExxonMobil Gas Marketing	e	Steve Sayuk, Mark Scheel, Mark Ulrich	sgen
48	FirstEnergy Solutions Corp.	m	Edward C. Stein	iou
49	Florida Municipal Power Agency	g	Robert C. Williams	muni
50	Florida Municipal Power Agency	d	Steven H. McElhaney	muni
51	Florida Power & Light Company	m	Gerry Yupp, Raleigh Nobles	iou
52	Florida Power & Light Company	t	Marty Mennes	iou
53	Florida Reliability Coordinating Council	t	Linda D. Campbell	at large
54	Georgia Transmission Corporation	t	Patrick McGovern, Mark Temple	muni
55	Hydro One Networks	t	Mark Graham	itc
56	Hydro – Quebec Transenergie	t	Victor Bissonnette	fed
57	Idaho Power Company	t	Tessia Park	iou
58	Imperial Irrigation District	m	Kim M. Kiener, Frank M. Barbera	muni
59	Imperial Irrigation District	t	Juan Carlos Sandoval, Javier Esparza	muni
60	Indiana Municipal Power Agency	g	Dick Foltz	muni
61	ITC Transmission	t	Jim D. Cyrulewski	itc
62	Maryland Peoples Counsel	e	Mike Tomczak	
63	Michigan Electric Transmission Company LLC	t	Charles V. Waits	itc
64	Michigan Public Power Agency	d	James R. Nickel, Daniel E. Cooper	muni
65	MidAmerican Energy Company	m	Norman B. Stratton	iou
66	Midwest Independent Transmission System Operator+J96	n	William (Bill) Phillips	n
67	Missouri River Energy Services	d	Brian Zavesky	muni
68	Modesto Irrigation District	t	Roger Van Hoy	muni
69	National Association of Regulatory Utility Commissioners	e	Lou Ann Westerfield	reg
70	National Grid USA	t	Herbert Schrayshuen, Peter	itc

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
			Flynn, Mary Ellen Paravalos	
71	National Rural Electric Cooperative Assoc.	d	Barry Lawson	muni/coop
72	Navigant Consulting, Inc.	m	Richard G. Smead	at large
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 Council	d	Donald M. Benjamin, Larry Kezele, Tom Vandervort, Bill Blevins	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	Andrew Fusco	muni
79	Northeast Utilities Service Company	t	David Boguslawski, Calvin A. Bowie	iou
80	Ohio Consumers' Counsel	e	Randy Corbin	comres
81	Ontario Power Generation	g	Barry Green	merc
82	Ontario Power Generation	m	Renzo Marcuzzi	niou
83	Open Access Technology International, Inc.	e	Kevin Burns	at large
84	Open Access Technology International, Inc.	t	Paul R. Sorenson	at large
85	Otter Tail Power Company	t	Daryl Hanson, Larry Larson	iou
86	PacifiCorp	m	Edison G. Elizeh	iou
87	PacifiCorp	g	Greg Maxfield	iou
88	PacifiCorp	t	Jim Hicks, Mark Maher	iou
89	PHI Power Delivery	t	Ken Gates	iou
90	Platte River Power Authority	t	Terry L. Baker	muni
91	Portland General Electric	m	Terri Peschka	iou
92	Powerex Corp	m	Michael L McWilliams	fed
93	PPL Electric Utilities Corporation	t	Ray Mammarella	iou
94	Progress Energy (Regulated)	m	James Eckelkamp	iou
95	Progress Energy	t	Verne Ingersoll, Phillip W. Lewis	iou
96	PSEG Power LLC	g	Thomas M. Piascik	merc
97	PSEG Energy Resources and Trade LLC	m	James D. Hebson	io
98	Public Service Electric and Gas Company	d	Colin J. Loxley	iou

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
99	Public Service Electric and Gas Company	t	Jeffrey C. Mueller	iou
100	Puget Sound Energy, Inc.	t	George Marshall, Bob Harshbarger	niou
101	Qualedi, Inc.	g	Stephen A. Morocco	at large
102	Sacramento Municipal Utility District	d	Robert D. Schwermann	muni
103	Sacramento Municipal Utility District	g	Thomas Ingwers	muni
104	Salt River Project Agricultural Improvement and Power District	d	Wendy Weathers, Mark B. Bonsall	other
105	Salt River Project Agricultural Improvement and Power District	t	Steve Cobb	fed
106	Seminole Electric Cooperative, Inc.	m	Lane Mahaffey	muni
107	South Carolina Electric & Gas Company	t	S. Porcher Stoney	iou
108	South Carolina Electric & Gas Company	m	Matt Hammond	iou
109	Southeastern Power Administration	g	Bob Goss	fed
110	Southern California Edison	t	Weston Williams	iou
111	Southern California Edison Co.	g	Thomas Watson	iou
112	Southern Company Services, Inc.	d	Garey Rozier, Mark Crosswhite, Greg Butrus	iou
113	Southern Company Services, Inc.	g	John Ciza	iou
114	Southern Company Services, Inc.	m	Joel Dison	iou
115	Southern Company Services, Inc.	t	R.D. (Dean) Ulch, John Lucas, JT Wood, James Y. Busbin	iou
116	Southwest Transmission Cooperative, Inc.	t	Larry D. Huff	muni
117	Southwest Power Pool	t	Carl Monroe	iou
118	Southwestern Power Administration	t	Stanley L. Mason	fed
119	SUEZ Energy Marketing NA, Inc.	m	Ken Lackey, Cesar Seymour	niou
120	Sunflower Electric Power Corporation	t	L. Earl Watkins	muni
121	Tenaska, Inc.	g	Scott Helyer	merc
122	Tennessee Valley Authority	d	Cindy Herron	other
123	Tennessee Valley Authority	g	Kathy York	fed
124	Tennessee Valley Authority	m	Clyde Harmon	fed
125	Tennessee Valley Authority	t	Mitchell Needham, W. Terry Boston	fed
126	TRANS-ELECT, INC.	t	Paul D. McCoy	itc
127	Tri-State Generation and Transmission Association, Inc.	t	Bruce Sembrick	muni

North American Energy Standards Board Membership List
As of September 14, 2006

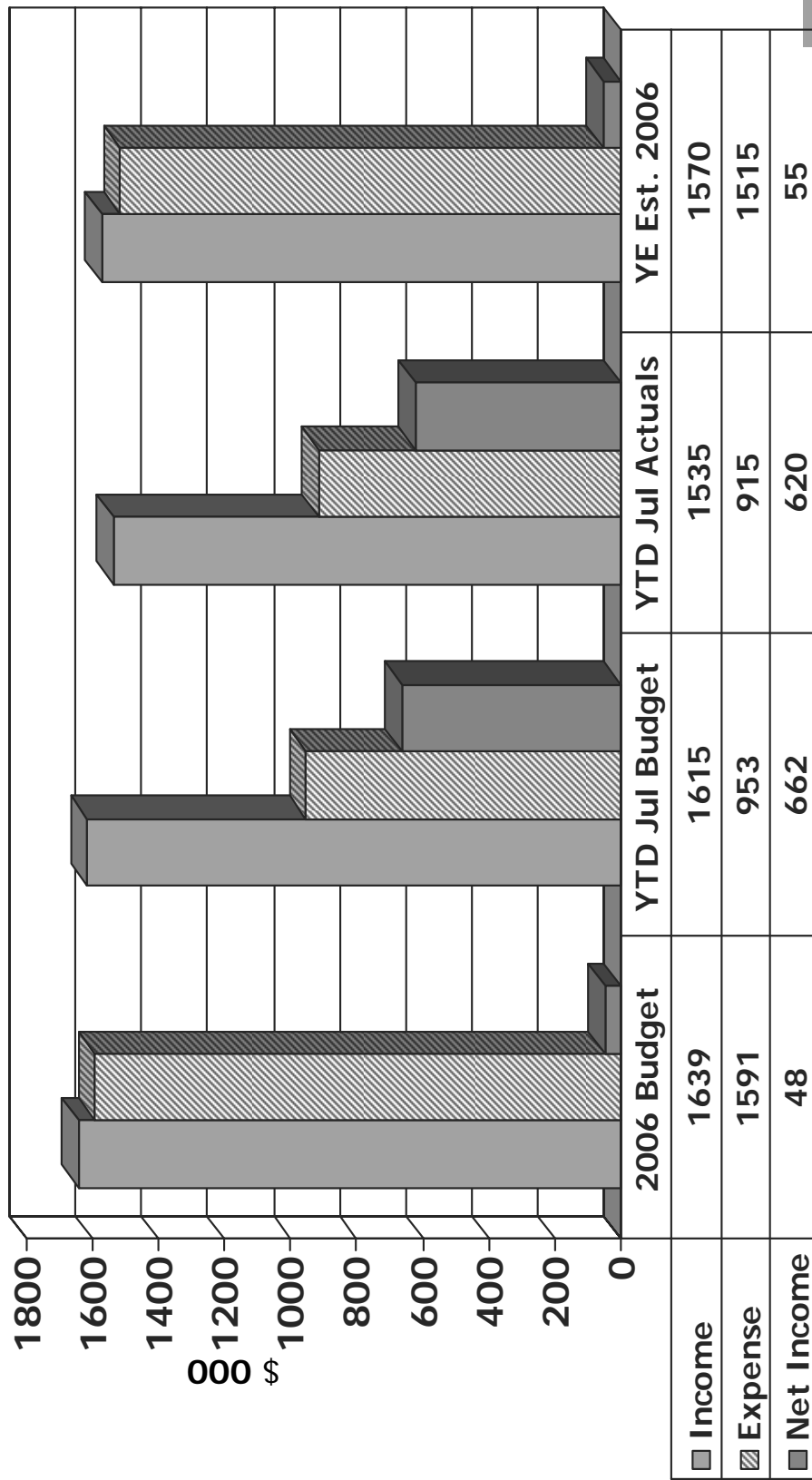
Quadrant	Organization	Segment	Contact	Sub-Segment
	128 TXU Energy	m	Elizabeth Howland, Mike Grim	nio
	129 TXU Electric Delivery	t	Ellis Rankin, Deborah McKeever	iou
	130 UBS Energy LLC	m	Suzanne Calcagno	niou
	131 Vermont Public Power Supply Authority	g	William J. Gallagher	muni
	132 Western Area Power Administration	t	Mark Fidrych	fed
	133 Western Area Power Administration	m	Jeffrey Ackerman	fed
	134 Western Electricity Coordinating Council	t	Michael Wells, Louise McCarren	at large
	135 We Energies (Wisconsin Electric)	d	Linda Horn	iou
	136 We Energies (Wisconsin Electric)	g	James R. Keller	iou
	137 Williams Power Company	g	Ron Mucci	at large
	138 Wisconsin Public Power Inc.	d	Mike Stuart	muni
	139 Wisconsin Public Service Corporation	g	William Bourbonnais, Charles W. Severance, Neal Balu	iou
	140 Xcel Energy Inc.	m	David Lemmons	iou
Retail Gas Quadrant:	1 AGL Resources Inc.	d	Katrina Bond	
	2 Baltimore Gas & Electric Company	d	Phil Precht	
	3 Center Point Energy Minnegasco	su	Andrea Newman	
	4 Commerce Energy Group	s	Greg Lander	
	5 Dominion Retail, Inc.	su	Richard A. Zollars	
	6 Energy Services Group, Inc.	s	George Behr	
	7 Exelon Energy	su	Sheree M. Petrone	
	8 Indiana Office of Utility Consumer Counselor	e	Matthew Parsell	
	9 International LNG Alliance	s	David Sweet	
	10 Interstate Gas Supply	su	Elizabeth Clothier	
	11 Latitude Technologies	s	Leigh Spangler	
	12 National Fuel Gas Distribution Corporation	d	Mike Novak	
	13 Niagara Mohawk	d	James Dillon	
	14 Northern Indiana Public Service Company (NiSource, Inc.)	d	Mark T. Maassel	
	15 Ohio Consumer's Counsel	e	Bruce M. Hayes	
	16 Pennsylvania Office of Consumer Advocate	e	Tanya J. McCloskey, Stephen Keene	

North American Energy Standards Board Membership List
As of September 14, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
17	Peoples Gas System	d	Rachel Gebhardt	
18	Philadelphia Gas Works	d	Joe Stengel, Craig White	
19	Public Service Electric & Gas Company	d	Terrence Moran	
20	Sprague Energy Corp.	su	Kathy Fudali	
21	Systrends USA	s	Dave Darnell	
22	UBS Energy LLC	su	Suzanne Calcagno	
23	UGI Utilities, Inc.	d	Paul Szykman	
24	Union Gas	d	Greg Tetreault	
25	Wisconsin Public Service Corporation	d	William Bourbonnais, Glen R. Schwalbach, Les Nishida	
26	Xcel Energy	d	Don Basler	

North American Energy Standards Board Board of Directors Meeting – 9-21-06

As of July 2006 Accrual Based Income and Expenses



North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002
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 Home Page: www.naesb.org

September 14, 2006

TO: NAESB Board of Directors
FROM: Rae McQuade, Darla Wishart
RE: NAESB Financial Report as of July 31, 2006

Key financial highlights:

- **December 13, 2005:** The Board of Directors approved the 2006 budget: \$1,639,100 for revenues to be collected in 2006 based primarily on 2005 dues collections, and \$1,591,015.23 for expenses expected in 2006, with an expected net income of \$48,084.77.
- **December 31, 2005:** Total assets and total liabilities and equity for yearend 2005 were \$780,413.45. Accounts Receivables related to outstanding membership dues were \$211,000. Our net income at yearend was \$-40,368.15 (Expenses \$1,584,919.62 and net revenue of \$1,544,511.47). The budget for 2005 was \$1,858,120 – so while we clearly came under in expenses by \$273,201, we did not realize expected revenues of \$313,609, with a resulting negative retained earnings for 2005 of -\$40,368. On a cash basis, we had an ending balance as of December 31 of \$521,905.
- **January 31, 2006:** Total assets and total liabilities and equity for the month of January were \$610,066.26. Accounts Receivables related to outstanding membership dues were \$124,500. Our net income in January is \$951,879.94 (Expenses \$187,671.95 and net revenue of \$1,139,551.89). Compared to this period last year, we have increased revenue by \$61,832. Our expenses are \$1,082 less than budgeted for the month. On a cash basis, we have an ending balance as of January 31 of \$443,319.
- **February 28, 2006:** Total assets and total liabilities and equity for the month of February were \$493,303.77. Accounts Receivables related to outstanding membership dues were \$74,000.00. Our net income year to date as of February is \$826,049 (Expenses \$322,884 and net revenue of \$1,148,934). Compared to this period last year, we have a net income decrease of \$-81,961 (expenses were \$11,701 higher in 2006 YTD and revenues were \$70,261 lower YTD). Our expenses are \$8,461.06 higher than budgeted year to date and revenues are \$17,199.44 lower than expected YTD – yielding a net income within 3% of expected (\$826,049 actual versus \$851,709.9 budgeted). On a cash basis, we have an ending balance as of February 28 of \$374,493.
- **March 31, 2006:** Total assets and total liabilities and equity for the month of March were \$552,945.61. Accounts Receivables related to outstanding membership dues were \$180,500.00, of which \$91,000 is still outstanding at the end of April, and \$15,000 is more than 90 days in arrears. Our net income year to date as of March is \$821,746.60 (Expenses \$446,909.80 and net revenue of \$1,148,934). Compared to this period last year, we have a net income increase of \$55,136 (expenses were \$13,419 lower in 2006 YTD and revenues were \$41,717 higher YTD). Our expenses are 1.5% higher than budgeted for YTD (\$446,909.80 actual compared to \$440,092.56 budgeted), which is offset by revenues being 0.2% higher (\$1,268,656.40 actual to \$1,265,699.97 budgeted). As such, the net income is within 0.5% of the budget – \$821,746 actual compared to \$825,607 budgeted. On a cash basis, we have an ending balance as of March 31 of \$329,942.
- **April 30, 2006:** Total assets and total liabilities and equity for the month of April were \$507,831.91. Accounts Receivables related to outstanding membership dues were \$146,000.00, of which \$91,000 is still outstanding at the end of April, and \$25,000 is more than 90 days in arrears, of which 3 credit memos have been written and the other two memberships have indicated that they are going to process the membership invoice through their accounting systems. Our net income year to date as of April is \$750,380.29 (Expenses \$556,602.61 and net revenue of \$1,306,982.90). Compared to this period last year, we have a net income increase of \$100,690 (expenses were \$32,921 lower in 2006 YTD and revenues were \$67,769 higher YTD). Our expenses are 3.3% lower than budgeted for YTD (\$556,602.61 actual compared to \$575,761.72 budgeted), which is augmented by revenues being 0.8% higher (\$1,306,982.90 actual to \$1,296,516.64 budgeted). As such, the net income is 4.1% higher than budgeted – \$750,380.29 actual compared to \$720,754.92 budgeted. On a cash basis, we have an ending balance as of April 30 of \$320,465.

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- **May 31, 2006:** Total assets and total liabilities and equity for the month of May were \$928,647. Accounts Receivables related to outstanding membership dues were \$615,000, of which \$15,000 is 90 days or more in arrears, \$50,500 is 60 days in arrears, \$50,000 is 30 days in arrears, and \$499,500 is less than 30 days in arrears. Our net income year to date as of May is \$827,542 (Expenses \$666,301 and net revenue of \$1,493,844). Compared to this period last year, we have a net income increase of \$141,880 (expenses were \$57,077 lower in 2006 YTD and revenues were \$84,803 higher YTD). Our expenses are 5% lower than budgeted for YTD (\$666,301 actual compared to \$701,430 budgeted), which is augmented by revenues being 12% higher (\$1,493,844 actual to \$1,330,833 budgeted). As such, the net income is 31% higher than budgeted – \$827,542 actual compared to \$629,402 budgeted. On a cash basis, we have an ending balance as of May 31, of \$274,138.
- **June 30, 2006:** Total assets and total liabilities and equity for the month of June were \$896,778.59. Accounts Receivables related to outstanding membership dues were \$379,500, of which \$10,000 is 90 days or more in arrears, \$50,500 is 60 days in arrears, \$23,500 is 30 days in arrears, and \$295,500 is 30 days or less in arrears. Our net income year to date as of June is \$757,186.21 (Expenses \$785,505.22 and net revenue of \$1,542,691.43). Compared to this period last year, we have a net income increase of \$194,584 (expenses were \$84,360 lower in 2006 YTD and revenues were \$110,224 higher YTD). Our expenses are 5% lower than budgeted for YTD (\$785,505 actual compared to \$827,100 budgeted), which is augmented by revenues being 0.8% higher (\$1,542,691 actual to \$1,530,699 budgeted). As such, the net income is 7.6% higher than budgeted – \$757,186 actual compared to \$703,599 budgeted. On a cash basis, we have an ending balance as of April 30 of \$480,354.
- **July 31, 2006:** Total assets and total liabilities and equity for the month of July were \$792,509.05. Accounts Receivables related to outstanding membership dues were \$299,500, of which \$15,500 is 90 days or more in arrears, \$45,000 is 60 days in arrears, \$13,500 is 30 days in arrears, and \$225,500 is 30 days or less in arrears. Our net income year to date as of June is \$620,525.84 (Expenses \$914,879.05 and net revenue of \$1,535,404.40). Compared to this period last year, we have a net income increase of \$121,105 (expenses were \$74,639 lower in 2006 YTD and revenues were \$46,466 higher YTD). Our expenses are 4% lower than budgeted for YTD (\$914,879.05 actual compared to \$952,769.20 budgeted), which is offset by revenues being 4.9% lower (\$1,535,404.89 actual to \$1,615,016.65 budgeted). As such, the net income is 6.3% lower than budgeted – \$620,525.84 actual compared to \$662,247.45 budgeted. On a cash basis, we have an ending balance as of July 31 of \$458,357.
- **September 12, 2006:** Dishongh, Jankowski and Eubank PC began the financial review of the 2005 statements and a report is expected shortly.

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MEETING STATISTICS

Month	Event	WEQ	WGQ	Retail	Joint	Board
January	7 meetings/35.5 hours	2/10	3/16.5	2/9		
	21 conf. calls/37 hours	5/9	3/4	8/17	1/2	4/5
February	11 meetings/50.5 hours	4/18	5/25.5	2/7		
	12 conf. calls/25.5 hours	5/12.5	1/2	3/7	1/1.5	2/2.5
March	15 meetings/68.5 hours	7/29.5	5/27	2/8		1/4
	17 conf. calls/42 hours	5/13	4/7.5	7/20.5		1/1
April	13 meetings/62 hours	3/11	8/44	2/7		
	15 conf. calls/29 hours	6/13	2/3	5/11		2/2
May	10 meetings/51 hours	4/21	5/25	1/5		
	24 conf. calls/39.5 hours	11/15.5	9/20	3/3		1/1
June	17 meetings/65.5 hours	7/29	5/21.5	3/9		2/6
	10 conf. calls/23 hours	5/12	0/0	4/9.5		1/1.5
July	13 meetings/55.5 hours	8/32	5/23.5	0/0		
	10 conf. calls/17.5 hours	3/4	3/5	4/8.5		
August	9 meetings/38 hours	2/11	4/14	3/13		
	13 conf. calls/29 hours	6/12	3/6	3/10		1/1
Total	95 meetings/426.5 hours	37/161.5	40/197	15/58		3/10
	122 calls/242.5 hours	46/91	25/47.5	37/86.5	2/3.5	12/14

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Product Access

- **May 17, 2006:** The [copyright policy and list of companies](#) with authorized access to our standards is prepared monthly and was sent to all members and interested trade associations. It is updated monthly.
- **September 1, 2006:** The report as on September 1, 2006 is posted on the [web site](#).
- **August 31, 2006:** Purchases of standards is maintained monthly and can be seen below as of August 31, 2006.

Purchases of NAESB Products as of August 31, 2006

Product	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	TOTAL
NAESB Home Page Access for Password Protected Area (\$3500)					1		1		2
WGQ Printed NAESB Business Practice Standards Booklet (1 of 2 or 2 of 2) (\$100)			3		4	6	2		15
WGQ Base Contract for Sales/Purchases of Natural Gas/FTAA/OBA (\$50 ea)	3	2		3	7	8	6	7	36
WGQ Electronic CD-Rom of Standards Manuals (Versions other than 1.7) (\$200)	1			1				1	3
WGQ Electronic CD-Rom of Standards Manuals (Version 1.7) (\$300)	14			1	19 ¹	3	3	2	42
WEQ Printed NAESB Business Practice Standards Booklet (\$100)					2	2			4
WEQ Electronic CD-Rom of Standards Manuals (\$300)					11	2		1	14
NAESB WGQ Contracts Course CD-Rom				9					9
NAESB WGQ Version 1.8 (Advanced Release of Final Actions) (\$50)			1						1
Printed REQ/RGQ Model Business Practices Booklet (\$100)					2				2
NAESB REQ/RGQ Model Business Practices CD-Rom (\$300)									0
Total	18	2	4	14	46	21	12	11	128

¹ 18 copies issued to course participants at May 24-25, 2006 WGQ Business Practice Standards: Updates and Changes (cost covered in registration fees).

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Financial Report July 2006 – Accrual Based

Balance Sheet

Assets	
Current Assets	\$463,792.87
Accounts Receivable	\$299,500.00
Fixed Assets	\$18,522.90
Other Assets	\$10,693.28
Total Assets	\$792,509.05
Liability & Equity	
Deferred Revenue	\$485,791.70
Accounts Payable	\$58,017.96
Retained Earnings	(\$371,826.45)
Net Income	\$620,525.84
Total Liability and Equity	\$792,509.05

Income and Expense

Income	\$1,535,404.89
Expense	\$914,879.05
Net Income	\$620,525.84

Income and Expenses to Budget - YTD

2006 YTD Budget for Income	\$1,615,016.65
Income Variance	(\$79,611.76)
2006 YTD Budget for Expenses	\$952,769.20
Expenses Variance	(\$37,890.15)
Net Income Variance	(\$41,721.61)

Year End Analysis

2006 Budget	\$1,639,100.00
Revenue YTD	\$1,535,404.89
Expected Revenue August-December	\$35,000.00
Estimated Year End Revenue	\$1,570,404.89
Expenses YTD	\$914,879.05
Expected Expenses August - December	\$600,000.00
Estimated Year End Expenses	\$1,514,879.05
Difference - Revenue - Expenses	\$55,525.84

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CASH BASIS ANALYSIS

Beginning Balance 1-1-06	\$521,905
Total Cash Income	\$844,538
Total Costs	\$908,086
Ending Balance	\$458,357

ACCOUNTS RECEIVABLE ANALYSIS

Accounts Receivable as of July 2006	\$299,500
Items 90 Days or more Outstanding	\$15,500
Items 60 Days Outstanding	\$45,000
Items 30 Days Outstanding	\$13,500
Items Less than 30 Days Outstanding	\$225,500