

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

**North American Energy Standards Board
Board of Directors Meeting
March 23, 2006**

**NORTH AMERICAN ENERGY STANDARDS BOARD
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MARCH 23, 2006**

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**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 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.

This section tracks with agenda item 1.

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

WELCOME AND OPENING REMARKS

- The meeting specifics are:

Where: Magnolia Hotel
1100 Texas Avenue, Houston, Texas 77002.
Hotel Phone: 713-221-0011 or 888-915-1110

Room: The Magnolia Ballroom on the 3rd Floor

When: March 23 Board meeting 9:00 am to 1:00 pm
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. The materials are posted on the NAESB Home Page in the "Board of Directors" area for attendees to download.

- For further assistance please reach:

Veronica Thomason at (713) 356 - 0060

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

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

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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

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

END USER SEGMENT		TERM END:
Valerie Crockett	Tennessee Valley Authority	Dec 31, 2006
Joe Stepenovitch		Dec 31, 2006
John Procaro	Vice President & COO, Cinergy - regulated	Dec 31, 2006
Marty Patterson	Director, Cinergy - unregulated	Dec 31, 2007
Jim Templeton	Principal, Comprehensive Energy Services	Dec 31, 2007
LDC SEGMENT		TERM END:
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	Dec 31, 2006
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	Dec 31, 2006
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Dec 31, 2006
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	Dec 31, 2007
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Dec 31, 2007
PIPELINE SEGMENT		TERM END:
Terry McGill	Executive Vice President, Enbridge Energy	Dec 31, 2006
Larry Smith	Vice President Commercial Operations, Tennessee Gas Pipeline Company	Dec 31, 2006
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Dec 31, 2006
Anne Bomar	Vice President, Dominion	Dec 31, 2007
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	Dec 31, 2005
PRODUCER SEGMENT		TERM END:
Jay Ellzey	Manager – Regulatory and Opco Support, ChevronTexaco Natural Gas	Dec 31, 2006
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Dec 31, 2007
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	Dec 31, 2007
Bill Hebenstreit	Director of Contract Services - El Paso Production Company	Dec 31, 2006
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	Dec 31, 2007
SERVICES SEGMENT		TERM END:
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	Dec 31, 2006
Michael Smith	Vice President—Regulatory and Legislative Affairs, Constellation Energy Commodities Group	Dec 31, 2006
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	Dec 31, 2007
Lyn Maddox	Consultant, Oxadel Consulting, LLC	Dec 31, 2007
V A C A N C Y		Dec 31, 2006

OFFICERS: Mark Maassel 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. 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

DISTRIBUTOR SEGMENT		TERM END:
David Koogler	Director – Regulation & Competition, Dominion Virginia Power (SERC NERC Region)	Dec 31, 2007
Bill Bourbonnais	Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)	Dec 31, 2007
Ruth Kiselewich	Director Special Projects and Supplier Services, Baltimore Gas & Electric Company (MAAC NERC Region)	Dec 31, 2006
Leonard Haynes	Executive Vice President, Supply Technologies, Renewables, and Demand, Southern Company Services (SERC NERC Region)	Dec 31, 2006
END USER SEGMENT		TERM END:
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	Dec 31, 2007
V A C A N C Y		Dec 31, 2005
V A C A N C Y		Dec 31, 2006
V A C A N C Y		Dec 31, 2006
SERVICES SEGMENT		TERM END:
Jim Minneman	Director of Business Services, PPL Solutions LLC	Dec 31, 2007
V A C A N C Y		Dec 31, 2007
J Cade Burks	President, EC Power	Dec 31, 2006
V A C A N C Y		Dec 31, 2006
SUPPLIER SEGMENT		TERM END:
Peter Kelly-Detwiler	Director of Operations, Constellation NewEnergy	Dec 31, 2007
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2006
Richard Zelenko	General Manager, Dominion Retail Inc.	Dec 31, 2006

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

END USER SEGMENT		TERM END:	SUB SEG
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	Dec 31, 2007	LIND
Jeanne Zaiontz	Director, Regulatory Affairs, BP Energy Co.	Dec 31, 2006	LIND
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	Dec 31, 2006	SGEN
V A C A N C Y		Dec 31, 2007	COMPRET
V A C A N C Y		Dec 31, 2007	IOU
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	Dec 31, 2006	REG
Kevin Burns	Vice President Sales and Marketing, Open Access Technology International, Inc.	Dec 31, 2007	AT LARGE
DISTRIBUTION/LSE SEGMENT		TERM END:	SUB SEG
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	Dec 31, 2007	IOU
Mark Crosswhite	Senior Vice President & General Counsel – Generation and Energy Marketing, Southern Company	Dec 31, 2006	IOU
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	Dec 31, 2007	MUNI-COOP
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Dec 31, 2006	MUNI-COOP
V A C A N C Y		Dec 31, 2007	OTHER
V A C A N C Y		Dec 31, 2006	COMPRET
Bruce Ellsworth	New York State Reliability Council	Dec 31, 2007	AT LARGE
GENERATION SEGMENT		TERM END:	SUB SEG
Belinda Thornton	Senior Manager – Real Time Trading, Tennessee Valley Authority	Dec 31, 2006	FED
Charles W. Severance	Manager – Supply & Wholesale Services, Wisconsin Public Service Corporation	Dec 31, 2007	IOU
John J. Dellas	Executive Manager, Electric Supply, Consumers Energy	Dec 31, 2006	IOU
Michael Gildea	Executive Director, Regulatory Affairs, Constellation Generation Group	Dec 31, 2007	MERC
V A C A N C Y		Dec 31, 2007	MUNI-COOP
Gloria Ogenyi	Director Energy and Market Policy, Conectiv Energy Supply, Inc.	Dec 31, 2006	MERC
Ron Mucci	Senior Vice President Shared Services, Williams Power Company	Dec 31, 2007	AT LARGE

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TRANSMISSION SEGMENT		TERM END:	SUB SEG
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	Dec 31, 2006	FED
V A C A N C Y		Dec 31, 2007	ITC
Paul McCoy	Managing Director & Chief Operating Officer, Trans-Elect	Dec 31, 2006	ITC
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	Dec 31, 2007	MUNI-COOP
John E. Lucas	Manager, Transmission Services, Southern Company	Dec 31, 2006	IOU
Michael Desselle	Director Public Policy, American Electric Power	Dec 31, 2007	IOU
Ken Wiley	President and Chief Executive Officer, Florida Reliability Coordinating Council	DEC 31, 2007	AT LARGE
MARKETER/BROKER SEGMENT		TERM END:	SUB SEG
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Dec 31, 2007	FED
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	Dec 31, 2007	IOU
Roy True	Manager of RTO Market Development, ACES Power Marketing	Dec 31, 2006	MUNI-COOP
V A C A N C Y		Dec 31, 2007	N IOU
Michael Grim	Director of Markets and Regulation, TXU Business Services	Dec 31, 2006	N IOU
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	Dec 31, 2006	IOU
Rick Smead	Director, Navigant Consulting, Inc.	Dec 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 sub-segments for a given segment.

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

EU -- End Use (also in another segment)

FED – Federal/State/Provincial

IOU – Investor Owned Utility or IOU Affiliated

ITC – Independent Transmission Company

LIND – Large Industrials (not in other segments)

MERC – Merchant

MUNI-COOP – Municipals, Cooperatives

N IOU –Not IOU affiliated

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

REG -- Regulator

RESCOM -- Residential/Commercial

SGEN -- 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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NORTH AMERICAN ENERGY STANDARDS BOARD 2006 BOARD TERMS – Retail Gas Quadrant

DISTRIBUTORS SEGMENT		TERM END:
Craig White	Chief Operating Officer, Philadelphia Gas Works	Dec 31, 2006
Glen R. Schwalbach	Assistant Vice President Corporate Planning, Wisconsin Public Service Corporation	Dec 31, 2007
Mark T. Maassel	President, Northern Indiana Public Service Company (NiSource, Inc.)	Dec 31, 2006
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2006
END USERS SEGMENT		TERM END:
V A C A N C Y		Dec 31, 2006
V A C A N C Y		Dec 31, 2006
V A C A N C Y		Dec 31, 2006
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2007
SERVICE PROVIDERS SEGMENT		TERM END:
Leigh Spangler	President, Latitude Technologies Inc.	Dec 31, 2006
V A C A N C Y		Dec 31, 2006
Dave Darnell	President & CEO, Systrends Inc.	Dec 31, 2007
Greg Lander	Principal, Commerce Energy Group	Dec 31, 2007
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2006
SUPPLIER SEGMENT		TERM END:
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.	Dec 31, 2006
V A C A N C Y		Dec 31, 2006
V A C A N C Y		Dec 31, 2006
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2007
V A C A N C Y		Dec 31, 2007

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 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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March 3, 2006

TO: NAESB Board of Directors, Invited Guests, Speakers, Interested Parties
FROM: Rae McQuade, NAESB President and COO
RE: Meeting Announcement for the NAESB Board Meeting – March 23, 2006

Dear Board Members, Speakers, Invited Guests and Interested Parties:

The March Board meeting will be held in Houston at the Magnolia hotel located in downtown Houston. The specifics of the meeting are:

Where: Magnolia Hotel
 1100 Texas Avenue, Houston, Texas 77002.
 Hotel Phone: 713-221-0011 or 888-915-1110

Room: The Magnolia Ballroom on the 3rd Floor

When: March 23 Board meeting 9:00 am to 1:00 pm
 A working lunch will be provided.

We look forward to seeing you at the meeting. Conference calling will be available should you be unable to attend in person.

The afternoon of March 22, two leadership meetings will be held at the Magnolia Hotel: one for the retail quadrants and another for the wholesale electric quadrant. The meetings will run concurrently from 2:00 pm to 5:00 pm. A working lunch will be available at 12:30 pm. These meetings will also be accessible via conference calling. An agenda and work papers will be made available shortly and will be posted on the [NAESB web site](#) in the Board of Directors area.

If you have not already done so, please RSVP to the NAESB Office (naesb@naesb.org) for attendance at the meeting in person or by phone.

Attire for all events is business casual. More information on the Board meeting will be forwarded to you shortly, including the announcement of the availability of the meeting material all of which will also be posted on the [NAESB web site](#) in the Board of Directors area.

Best Regards,

Rae

Rae McQuade
 NAESB President & COO



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NAESB BOARD OF DIRECTORS MEETING
The Magnolia Hotel, Houston, Texas – The Magnolia Ballroom on the 3rd Floor
Thursday, March 23 – 9:00 a.m. to 1:00 pm Central
DRAFT AGENDA

- 8:30 a.m. Continental Breakfast
- 9:00 a.m.
1. Administration and Welcome
 - Antitrust Guidelines
 - Introduction of Board Members and Guests
 - Agenda Adoption
 - Adoption of Draft Minutes of December 13, 2005
 - Review of Notational Ballot Results for the GEIC, February 17, 2006
 2. Reports from board committees:
 - ERO Coordination Committee update – NERC-NAESB Joint Standards Development Process,
 - Resources Committee update,
 - Retail Awareness Committee update,
 - Retail Structure Review Committee update,
 - Review of the FERC filing for Gas – Electric Interdependency Report,
 - Status of the Duns Report Directions, and
 - Status of the revised Certification Program.
 3. Updates and Discussion on specific standards development efforts:
 - Gas Quality
 - Retail Invoicing
 - Retail Contracts
 - OASIS enhancements
 - Complementary business practice standards for NERC
 4. Executive Committee Reports
 - Executive Committee Report from each Quadrant
 - Review and Adoption of revisions to the 2006 Annual Plans
 - Standards Adopted Since the December 13, 2005 meeting
 - Filings with the FERC
 5. Financial Report
 - Financial Report for 2006 YTD
 6. Plan for June 2006 Board Meeting
 7. Old and New Business
 - Meeting Schedule for 2006
 - Induction of officers for 2006
- 1:00 p.m. Adjourn

Attire – Business Casual
Working buffet lunch will be provided.

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

TAB 3

**DRAFT MINUTES – DECEMBER 13, 2005
NOTATIONAL BALLOT RESULTS – FEBRUARY 17, 2006**

This section includes:

- The draft minutes for the Board meeting on December 13, 2005.
- The notational ballot results from February 17, 2006.
- Advisory Council Minutes – February 11, 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. The ballot results and Advisory Council Meeting minutes are presented for information and discussion – no Board action is required



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December 21, 2005

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 – December 13, 2005

**NORTH AMERICAN ENERGY STANDARDS BOARD
 NAESB BOARD OF DIRECTORS MEETING
 December 13, 2005 in Houston, TX
 Draft Minutes**

1. Administration and Welcome

Mr. Desselle called the meeting to order and welcomed the board members, participants and guests. Mr. Boswell advised the participants of the anti-trust guidelines. Ms. Kennedy then called roll for the board members and announced that quorum was established. Mr. Horting made a motion, seconded by Mr. Mucci, to adopt the agenda. The agenda was adopted unanimously. Mr. Haynes made a motion to adopt the June 22, 2005 draft minutes as redlined, and the September 22, 2005 working session draft minutes as posted. Mr. Brown seconded the motion. The minutes were adopted unanimously. The final minutes of the June 22, 2005 Board Meeting are posted on the NAESB website at <http://www.naesb.org/pdf2/bd062205fm.doc> and the final minutes of the September 22, 2005 working session are posted on the NAESB website at <http://www.naesb.org/pdf2/bd092205fm.doc>.

2. Reports from Board Committees

ERO Coordination Committee: Mr. Desselle stated that the ERO Coordination Committee was created after the September 2005 Board meeting to coordinate efforts with NERC as the ERO is formed. During its November 16, 2005 meeting, the committee determined that it would review the NERC/NAESB/IRC Memorandum of Understanding (MOU) to determine if changes should be made in light of the creation of the Electric Reliability Organization.

Mr. Desselle stated that the ERO Coordination Committee is drafting a letter to send to NERC and the IRC stating that NAESB seeks to open a review of the MOU as set out in Section 6 of the MOU. He added that the participants at the WEQ Leadership Meeting on December 12 suggested changing the name of the ERO Coordination Committee to Coordination Committee because the need for coordination with NERC and other organizations will continue after the ERO is created. There were no objections in the room or on the phone to the change of the name of the committee.

Mr. Anderson stated that Ms. Campbell, chair of the NERC Standards Authorization Committee (SAC), plans to send NAESB a formal request that NAESB representatives attend NERC SAC meetings. Mr. Desselle stated that Board of Directors and the WEQ looks forward to the request from Ms. Campbell.

Mr. Desselle stated that he spoke on behalf of NAESB at the FERC ERO Technical Conference on December 9, 2005. He spoke on the collaborative relationship between NERC and NAESB over the past three years.



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Resources Committee: Ms. Ogenyi, chair of the Resources Committee, reported that the Resources Committee is responsible for forty new members to date with a net of thirteen when resignations are considered. Ms. Ogenyi asked the Board members to make a commitment to contact a minimum of two companies regarding NAESB membership or to provide the contact information of individuals at two companies that are not currently NAESB members to the members of the Resources Committee. She stated that the Resources Committee has done a good job in increasing NAESB membership and awareness in the industry, but has exhausted its resources. Mr. Brown added that the Resources Committee has organized material including testimonials, annual plans, and FERC activities that Board members can use when contacting potential members. Mr. Desselle stated that the NAESB office would send a letter to each Board member requesting two potential member contacts.

Mr. Hebenstreit stated that Board members should cultivate NAESB awareness within their own organizations. This will help to avoid gaps in participation when individuals who are responsible for NAESB participation move on to other organizations.

Retail Awareness Committee: Mr. Cade Burks, chair of the Retail Awareness Committee, reported that the mission of the Retail Awareness Committee is to increase awareness of the activities in NAESB with market participants and state regulatory staff. The Committee has developed a page to be included on the NAESB website to provide easily accessible information on the retail markets in each state including any correspondence with the state commissioners and commission staff. After the first of the year, NAESB will send a letter to all of the public utility commissioners to make them aware of the NAESB Retail Awareness webpage and to request assistance to keep the information on the page current. Mr. Burks stated that NAESB members and market participants are encouraged to provide updates to the information on the page to ensure it contains accurate information. Any update information can be forwarded to the NAESB office.

Gas-Electric Interdependency Committee: Mr. Templeton, chair of the Gas-Electric Interdependency Committee (GEIC), reported that the committee expected to request the Board to vote on the Gas and Electric Interdependency Report during this meeting. (The 10/28/05 draft of the report can be found on pages 43-47 of the Board book). Mr. Templeton stated that the GEIC met via conference call on December 5 to answer questions from FERC staff on the draft of the report. FERC staff asked for clarifications to be made to the report before it is submitted to the FERC. Mr. Smead added that the FERC staff liked the progress that has been made by the GEIC and the suggestions in the report.

Members of the GEIC have agreed to make the modifications to the report to add clarity and specificity per the discussions with the FERC staff. Mr. Desselle stated that the modifications have not been incorporated and reviewed in time for the Board to vote on a final draft during this meeting. The GEIC will meet during the week of December 19-23 to finalize the draft and will send the report to the entire Board of Directors for vote via notational ballot. If the Board approves the report, it will be forwarded to the FERC.

Mr. Frost requested that the conference call be scheduled after the first of the year due to holiday absences. He asked the reason for the urgency in filing the report. Ms. McQuade stated that the June 27, 2005 NAESB Report on the Efforts of the NAESB Gas-Electric Interdependency Committee and the Business Practices on Pipeline-Gas-Fired Generation Facility, RM05-28-000 stated that NAESB would submit a final report to the FERC on these issues at the conclusion of the December Board meeting.

Mr. Desselle stated that the GEIC would schedule a meeting during the first or second week of



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January to finalize the report and then will send the final report to the entire Board to vote via notational ballot.

Review and Endorsement of D-U-N-S® Report Directions: Ms. McQuade stated that the D-U-N-S® Task Force reviewed the difficulties the industry experiences in using D-U-N-S® Numbers. Three of the four quadrants determined that no action would be taken at this time. The WEQ decided that NAESB should work with NERC to jointly determine whether an alternative code structure would be better than D-U-N-S® Numbers. The WEQ will also pursue the creation of an agreement with D&B that would meet the WEQ's requirements if the use of D-U-N-S® Numbers continues. The report of the D-U-N-S® Task Force is located on pages 74-83 of the Board book.

Mr. Haynes moved, seconded by Mr. Novak, to accept the interim report and set of recommendations from the D-U-N-S® Report. The motion passed unanimously. [Vote 1].

Review and Adoption of Revised Certification Program: Mr. Spangler stated that the NAESB Certification Program began about five years ago for the WGQ. The goal was to establish an optional program to allow service providers to give assurance their products conform to NAESB standards. In turn, the Certification Program also provides a way for purchasers of products to have confidence that the products comply with NAESB standards. The Certification Program Committee was formed in March 2005 by the Board of Directors to evaluate the WGQ certification program and to determine whether the certification program should be broadened to include the other three quadrants. The Certification Program Committee has submitted a report to the Board of Directors located on pages 52-67 of the Board book. The Certification Program Committee recommended that NAESB should "adopt a self-certification process and reduce the certification fees."

Ms. Ogenyi moved, seconded by Mr. Templeton, to adopt the final report and the proposed changes to the certification program as recommended by the Certification Program Committee. The motion passed unanimously. [Vote 2].

Review and Endorsement of Retail Structure Review Recommendation: Mr. Novak provided a presentation based on the Retail Structure Review Committee Final Report. The report is located on pages 68-73 of the Board book and the presentation is posted on the NAESB website at: <http://www.naesb.org/pdf2/bd121305w1.ppt>.

Mr. Novak reviewed the options considered by the Retail Structure Review Committee including (1) increase of retail quadrant membership to bylaw requirement levels; (2) change the bylaws to reduce the membership requirement; (3) combine the two Retail Quadrants to reach the bylaw membership levels; and (4) delay any structural changes until the original work plan of developing business practices for the customer choice retail markets is completed.

Mr. Novak stated that a proposal to combine the two Retail Quadrants into a Combined Retail Quadrant (CRQ) was presented at the joint Retail Electric Quadrant and Retail Gas Quadrant Executive Committee meeting on November 30, 2005. He stated that many Executive Committee members supported the delay of making changes to the structure of the Retail Quadrants until the business practices for the customer choice retail markets is completed.

Mr. Novak stated that the recommendation of the Retail Structure Review Committee was to delay any structural changes to the Retail Quadrants at this time and allow the Retail Quadrants to complete the customer choice business practices and to continue work on the three business practices for both customer choice and regulated retail markets in 2006. The Retail Structure Review Committee also recommended that the NAESB Board of Directors



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direct the Retail Structure Review Committee to complete a strategic planning exercise in 2006 and to complete a review of the need for structural changes to the two Retail Quadrants in 2006.

Ms. Ogenyi asked how the Resources Committee and Retail Structure Review Committee should work together to increase the membership of the Retail Quadrants. Mr. Novak stated that the request for Board members to contact two potential members is a good approach in increasing the membership in the Retail Quadrants. Mr. Haynes stated that when he requested the formation of the Retail Structure Review Committee, he expected the end result would be that the Retail Quadrants would be combined. He stated that he was in favor of delaying any action to modify the structure of the Retail Quadrants for another year to provide the Retail Quadrants an opportunity to complete the work on the annual plans.

Ms. Wood suggested asking retail market participants to complete a questionnaire to list what the issues are from the retail market's perspective. This would also provide an opportunity to increase awareness of activities in the NAESB Retail Quadrants.

Mr. Novak moved, seconded by Ms. Ogenyi, to adopt the recommendations of the Retail Structure Review Committee. The motion passed unanimously. [Vote 3].

3. Updates on Specific Standards Development Efforts

Gas Quality: Mr. Novak reported on the status of the work of the WGQ Business Practices Subcommittee (BPS) to draft standards to address Part B of Request No. R03035. He stated that it is the expectation that the standards will be completed in time for the WGQ Executive Committee to vote for adoption at the February 2006 meeting.

Ms. McQuade stated that Part C of Request No. R03035 is currently held in abeyance. She stated that the agenda for the March 2006 Board meeting will include discussion of whether standards should be developed to address Part C of this request.

Mr. Brown stated that the American Gas Association (AGA) and INGAA are working on similar issues and asked if NAESB is coordinating with those organizations on these issues. Mr. Novak stated that the efforts of the AGA focus on the regulatory process and how gas quality issues will be dealt with on a case by case basis.

Retail Invoicing: Ms. Kiselewich reported that the Retail Business Practices Subcommittee (BPS) is close to completion of model business practices to address Request No. R05016 (Standards or model business practices for electronic retail billing transactions and bill payment transactions between customers, suppliers, and utilities). After the BPS has completed drafting the model business practices, the Retail Technical Electronic Implementation Subcommittee (TEIS) and Information Requirements Subcommittee (IR) will begin working on the technical pieces of the business practices.

Retail Contracts: Ms. Kiselewich reported that the Retail Contracts Subcommittee has been working to draft a retail contract for use in both the electric and gas markets based on Request No. R05013. On the last conference call, eight retail end use customers participated in the call. The Contracts Subcommittee has a target completion date of 4th Quarter 2006.

OASIS Enhancements: Ms. McQuade stated that NAESB filed a report with the FERC on November 16, 2005 under Docket No. RM05-5. The report includes the renumbered WEQ standards. At the request of FERC staff, the WEQ standards were renumbered for uniqueness. Neither the order nor the text of the standards was changed.



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The Progress Report on NAESB WEQ Standards Activities as related to OASIS and NERC is located on pages 100-101 of the Board book.

Mr. Oberski reported that at the November 29, 2005 meeting, the WEQ Executive Committee voted to adopt the TLR Business Practices as modified by the WEQ BPS on November 22, 2005 but to hold ratification in abeyance until TLR implementation issues between NERC and NAESB have been clearly defined. The determination was to be made by the NAESB WEQ Members of the Board of Directors.

Mr. Desselle stated that the WEQ Members of the Board of Directors are planning to work with NERC to address coordination issues. Mr. Anderson stated that the NAESB Board of Directors should take specific action to put NERC on notice that the TLR business practices should be posted for ratification by March 2006.

Mr. Anderson moved, seconded by Mr. Hartsoe, that the Board supports the direction of the WEQ Members of the Board of Directors and expects ratification of TLR business practices should take place by March 2006. Mr. Boswell stated that there is nothing in the NAESB Bylaws that sets out when a vote must be taken to ratify adopted standards. The motion passed unanimously. [Vote 4].

4. Copyright Explanations

Mr. Boswell made a presentation on the NAESB Copyright Policy. The presentation was posted on the NAESB website at <http://www.naesb.org/pdf2/bd121305w6.ppt> and the supporting documentation is located on page 103 of the Board book.

Mr. Boswell stated that NAESB standards should be distributed by NAESB alone to ensure the integrity of the product and to make sure the most current version of the standards are being distributed. NAESB's income depends on the revenue from the sale of standards. Members can obtain standards as a part of membership, but the standards cannot be used by members' affiliates, partners, agents, or subsidiaries. Non-members can purchase the standards for their own use. Those who receive the standards by virtue of membership or purchase have an exclusive license to the standards and do not have a right sublicense or assign the standards.

Mr. Boswell noted that a letter would be distributed to members regarding the NAESB Copyright Policy.

5. Executive Committee Reports

Wholesale Electric Quadrant: Mr. Oberski provided the report for the Wholesale Electric Quadrant by reviewing the 2005 WEQ Annual Plan reviewed and updated by the WEQ Executive Committee on November 29, 2005 (pages 105-109 of the Board book).

Wholesale Gas Quadrant: Mr. Novak provided the report for the Wholesale Gas Quadrant by reviewing the 2005 WGQ Annual Plan revised by the WGQ Executive Committee on December 1, 2005 (pages 110-113 of the Board book).

Retail Electric Quadrant and Retail Gas Quadrant: Ms. Kiselewich provided the report for the Retail Gas Quadrant and Retail Electric Quadrant by reviewing the 2005 Retail Gas Quadrant and Retail Electric Quadrant Annual Plans (pages 114-121 of the Board book).

Mr. Horting moved, seconded by Mr. Chapman, to adopt the changes to all four 2005 Annual Plans. The motion passed unanimously. [Vote 5].

Standards Adopted Since the June 22 Board Meeting: Ms. McQuade stated that the NAESB



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Standards Requested and Adopted in 2005 report is included on pages 142-146 of the Board book.

Filings with the FERC: The list of the NAESB FERC Filings to date in 2005 is located on pages 139-140 of the Board book. NAESB has filed one report with the FERC since the September Board meeting. On November 16, 2005, NAESB filed a Report for NAESB Wholesale Electric Business Practices under Docket No. RM05-5-000. The report was filed regarding NAESB's activities undertaken to renumber the WEQ standards for ease of reference and to ensure the uniqueness of each number. The renumbering was undertaken at the request of FERC staff.

Adoption of 2006 Annual Plans:

Wholesale Electric Quadrant: Mr. Oberski reviewed the draft 2006 WEQ Annual Plan adopted by the WEQ Executive Committee on November 29, 2005 (pages 122-126 of the Board book). Mr. Oberski stated that the work of the WEQ was divided into three general areas: (1) Develop business practice standards as needed to complement reliability standards; (2) Develop business practice standards for Version 1 to support ATC calculations; (3) Develop business practice 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. Mr. Oberski noted that the note for Item 3(d) that disposition of the item depends on action by the Board of Directors should be removed.

Mr. Haynes moved, seconded by Ms. Ogenyi, to adopt the 2006 WEQ Annual Plan with the noted modification to Item 3(d). The motion passed unanimously. [Vote 6].

Wholesale Gas Quadrant: Mr. Novak reviewed the 2006 WGQ Annual Plan prepared by the WGQ Executive Committee on December 1, 2005 (127-129 of the Board book).

Mr. Chapman moved, seconded by Mr. Horting, to adopt the 2006 WGQ Annual Plan as drafted. The motion passed unanimously. [Vote 7].

Retail Gas Quadrant and Retail Electric Quadrant: Ms. Kiselewich reported that the Retail Quadrants agreed to combine their Annual Plans for 2006 for administrative ease. The proposed 2006 Annual Plan for the Retail Gas and Retail Electric Quadrants prepared on November 30, 2005 by the Retail Gas Quadrant and Retail Electric Quadrant Executive Committees is located on pages 130-133 of the Board book.

Mr. Templeton moved, seconded by Mr. Burks, to adopt the 2006 Annual Plan for the Retail Gas and Electric Quadrants as drafted. The motion passed unanimously. [Vote 8].

Membership Report: Ms. McQuade stated that the Membership Report – 11/30/05 is on pages 148-150 of the Board book. She noted that as of November 30th, the total membership is 318. There are 140 members in the WEQ, 122 members in the WGQ, 27 in the REQ, and 29 in the RGQ.

6. Financial Reports

Ms. Wishart provided the Financial Report located on pages 162-165 of the Board book. The Financial Report includes the Year to Date Accrual Based Income and Expenses through October 2005. Ms. Wishart stated that the 2004 Financials were reviewed by an outside firm and no changes were made.

Ms. Wishart reviewed the proposed budget for 2006 located on page 165 of the Board book.



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Ms. McQuade stated that the proposed budget assumes that the conference calling fee will not continue during 2006. Mr. Haynes remarked and thanked both Ms. McQuade and Ms. Wishart for effectively managing the financials of the organization.

Mr. Haynes moved, seconded by Mr. Schwalbach, to adopt the 2006 NAESB Annual Budget. The motion passed unanimously. [Vote 9].

7. Plan for March 2006 Board Meeting

Mr. Desselle stated that the agenda for the March 2006 Board meeting will include discussion of Part C of Request R03035, the TLR business practice standards, and review of the annual plans. Mr. Desselle encouraged the Board members to submit any additional agenda items to the NAESB office.

8. Old and New Business

Mr. Desselle stated that the schedule of the 2006 Executive Committee, Board, and Advisory Council meetings is located on page 167 of the Board book. The next meeting of the Board of Directors is scheduled on March 23, 2006 in Houston, Texas. The June 22, 2006 Board meeting and Strategic Session will be held in San Antonio, Texas. The September 21 and December 14 Board meetings will be held in Houston, Texas.

9. Adjournment

The meeting adjourned by consensus at 11:28 AM Central.

10. Board Attendance

Wholesale Gas Quadrant

END USER SEGMENT		ATTENDANCE
Valerie Crockett	Tennessee Valley Authority	In Person
Joe Stepenovitch	Florida Reliability Coordinating Council	Phone
John Procario	Vice President & COO, Cinergy - regulated	Phone
Marty Patterson	Director, Cinergy - unregulated	In Person
Jim Templeton	Principal, Comprehensive Energy Services	In Person
LDC SEGMENT		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	Absent
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	In Person
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	In Person
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	In Person
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Absent
PIPELINE SEGMENT		
Terry McGill	Executive Vice President, Enbridge Energy	In Person
Larry Smith	Vice President Commercial Operations, Tennessee Gas Pipeline Company	Absent
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Absent
V A C A N C Y		
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	In Person
PRODUCER SEGMENT		
Jay Ellzey	Manager – Regulatory and Opco Support, ChevronTexaco Natural Gas	Absent
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Absent
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	Phone
Bill Hebenstreit	Director of Contract Services - El Paso Production Company	In Person
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	In Person
SERVICES SEGMENT		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	In Person



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Michael Smith	Vice President—Regulatory and Legislative Affairs, Constellation Energy Commodities Group	In Person
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	Phone
Lyn Maddox	Consultant, Oxadel Consulting, LLC	In Person
V A C A N C Y		

Retail Electric Quadrant

DISTRIBUTOR SEGMENT		ATTENDANCE
David Koogler	Director – Regulation & Competition, Dominion Virginia Power (SERC NERC Region)	In Person
Bill Bourbonnais	Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)	Absent
V A C A N C Y		
Leonard Haynes	Executive Vice President and Chief Marketing Officer, Southern Company Services (SERC NERC Region)	In Person
END USER SEGMENT		
Sonny Popowsky	Pennsylvania Office of Consumer Advocate	Phone
V A C A N C Y		
V A C A N C Y		
V A C A N C Y		
SERVICES SEGMENT		
V A C A N C Y		
Stacey Wood	Director, The Structure Group	In Person
J Cade Burks	President, EC Power	In Person
V A C A N C Y		
SUPPLIER SEGMENT		
V A C A N C Y		
David Booty	Director of Operations, Direct Energy Business Services	In Person
V A C A N C Y		
Richard Zelenko	General Manager, Dominion Retail Inc.	Phone

Wholesale Electric Quadrant

END USER SEGMENT		SUB-SEGMENT	ATTENDANCE
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	LIND	Phone
Jeanne Zaiontz	Director, Regulatory Affairs, BP Energy Co.	LIND	Absent
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	SGEN	Absent
V A C A N C Y		COMPRET	
V A C A N C Y		IOU	
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	REG	Absent
Kevin Burns	Vice President Sales and Marketing, Open Access Technology International, Inc.	AT LARGE	In Person
DISTRIBUTION/LSE SEGMENT			
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	Absent
Mark Crosswhite	Senior Vice President & General Counsel – Generation and Energy Marketing, Southern Company	IOU	Phone
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	MUNI-COOP	In Person
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	MUNI-COOP	In Person
Mark B. Bonsall	Chief Financial Executive/Associate General Manager, Salt River Project	OTHER	Absent
V A C A N C Y		COMPRET	



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Bruce Ellsworth	New York State Reliability Council	AT LARGE	Absent
GENERATION SEGMENT		SUB-SEGMENT	
V A C A N C Y		FED	
Charles W. Severance	Director Bulk Power, Wisconsin Public Service Corporation	IOU	In Person
John J. Dellas	Executive Manager, Electric Supply, Consumers Energy	IOU	Phone
Dennis Sobieski	Managing Director – Business Development, PSEG Power	MERC	Phone
Thomas Ingwers	Director, Energy Trading and Contracts, Sacramento Municipal Utility District	MUNI-COOP	Absent
Gloria Ogenyi	Director Energy and Market Policy, Conectiv Energy Supply, Inc.	MERC	In Person
Ron Mucci	Senior Vice President Shared Services, Williams Power Company	AT LARGE	In Person
TRANSMISSION SEGMENT		SUB-SEGMENT	
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	FED	Absent
Peter Flynn	Vice President Transmission Strategy and Policy, National Grid USA	ITC	Absent
Paul McCoy	Executive Vice President of Transmission System Operations, Trans-Elect	ITC	Phone
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	MUNI-COOP	In Person
John E. Lucas	Manager, Transmission Services, Southern Company	IOU	Phone
Michael Desselle	Director Public Policy, American Electric Power	IOU	In Person
Ken Wiley	President and Chief Executive Officer, Florida Reliability Coordinating Council	AT LARGE	Absent
MARKETER/BROKER SEGMENT		SUB-SEGMENT	
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	FED	In Person
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	In Person
Roy True	Manager of RTO Market Development, ACES Power Marketing	MUNI-COOP	Absent
V A C A N C Y		N IOU	
Michael Grim	Director of Markets and Regulation, TXU Business Services	N IOU	Phone
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	IOU	Phone
Rick Smead	Director, Navigant Consulting, Inc.	AT LARGE	In Person



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Retail Gas Quadrant

DISTRIBUTORS SEGMENT		ATTENDANCE
Craig White	Chief Operating Officer, Philadelphia Gas Works	Phone
Glen R. Schwalbach	Assistant Vice President Corporate Planning, Wisconsin Public Service Corporation	In Person
Mark T. Maassel	President, Northern Indiana Public Service Company (NiSource, Inc.)	Absent
Paul J. Szykman	Director – Rates and Gas Supply, UGI Utilities, Inc.	Phone
VACANCY		
VACANCY		
END USERS SEGMENT		
VACANCY		
Tina Burnett	Chair, Northwest Industrial Gas Users Association	In Person
VACANCY		
VACANCY		
VACANCY		
VACANCY		
SERVICE PROVIDERS SEGMENT		
Leigh Spangler	President, Latitude Technologies Inc.	In Person
VACANCY		
Dave Darnell	President & CEO, Systrends Inc.	Phone
Greg Lander	Principal, Commerce Energy Group	Absent
VACANCY		
VACANCY		
SUPPLIER SEGMENT		
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.	Absent
VACANCY		
VACANCY		
VACANCY		
VACANCY		
VACANCY		

12. Other Attendance

Name	Organization	Attendance
Barbara Alexander	State of Maine Public Advocate	Phone
Bill Boswell	NAESB	In Person
Kathryn Burch	Duke Energy Gas Transmission	In Person
Christopher Burden	Williams Gas Pipeline	In Person
James Cargas	NAESB	In Person
Dolores Chezar	KeySpan Energy	Phone
LaRita Cormier	Riverside Reporting	In Person
Dale Davis	Williams Gas Pipeline	In Person
Chuck Feagans	Tennessee Valley Authority	Phone
Mark Gracey	Tennessee Gas Pipeline	In Person
Bill Griffith	El Paso Natural Gas	In Person
Peter Kelly-Detwiler	Constellation NewEnergy	In Person
Laura Kennedy	NAESB	In Person
Iris King	Dominion Transmission, Inc.	In Person
DeDe Kirby	NAESB	In Person
Ruth Kiselewich	Baltimore Gas and Electric Company	In Person
Marcy McCain	Duke Energy Gas Transmission	In Person
Rae McQuade	NAESB	In Person



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Name	Organization	Attendance
Lou Oberski	Dominion Resources Services, Inc.	In Person
Marjorie Perlman	Energy East Management	Phone
Todd Oncken	NAESB	
Denise Rager	NAESB	In Person
Barbara Rehman	Bonneville Power Administration	Phone
Lisa Simpkins	Constellation Energy Commodities	In Person
Veronica Thomason	NAESB	In Person
Kim Van Pelt	Panhandle Eastern Pipe Line	In Person
Darla Wishart	NAESB	In Person
Charles Yeung	Southwest Power Pool	In Person
Kathy York	Tennessee Valley Authority	In Person
Randy Young	Gulf South Pipeline	In Person



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13. Voting Record¹

Wholesale Gas Quadrant

END USER SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4	VOTE 5	VOTE 6
Valerie Crockett	S	S	S	S	S	S
Joe Stepenovitch	S	S	S	S	S	S
John Procaro	S	S	S	S	S	S
Marty Patterson	S	S	S	S	S	S
Jim Templeton	S	S	S	S	S	S
LDC SEGMENT						
Clifton Olson	S	S	S	S	S	S
Adrian Chapman	S	S	S	S	S	S
Reed Horting	S	S	S	S	S	S
Mike Novak	S	S	S	S	S	S
Lee Stewart	S	S	S	S	S	S
PIPELINE SEGMENT						
Terry McGill	S	S	S	S	S	S
Larry Smith	S	S	S	S	S	S
Bill Grygar	S	S	S	S	S	S
V A C A N C Y	S	S	S	S	S	S
Richard Kruse	S	S	S	S	S	S
PRODUCER SEGMENT						
Jay Ellzey	S	S	S	S	S	S
William T. Benham	S	S	S	S	S	S
Keith Sappenfield	S	S	S	S	S	S
Bill Hebenstreit	S	S	S	S	S	S
Pete Frost	S	S	S	S	S	S
SERVICES SEGMENT						
John Bretz	S	S	S	S	S	S
Michael Smith	S	S	S	S	S	S
Jim Buccigross	S	S	S	S	S	S
Lyn Maddox	S	S	S	S	S	S
V A C A N C Y	S	S	S	S	S	S

¹ Voting Record Legend: S = Support, O = Oppose, A = Abstain



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Retail Electric Quadrant

DISTRIBUTOR SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4	VOTE 5	VOTE 6
David Koogler Director - Regulation & Competition, Dominion Virginia Power (SERC NERC Region)	S	S	S	S	S	S
Bill Bourbonnais Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)						
V A C A N C Y						
Leonard Haynes Executive Vice President and Chief Marketing Officer, Southern Company Services (SERC NERC Region)	S	S	S	S	S	S
END USER SEGMENT						
Sonny Popowsky V A C A N C Y	S	S	S	S	S	S
V A C A N C Y						
V A C A N C Y						
SERVICES SEGMENT						
V A C A N C Y						
Stacey Wood Director, The Structure Group	S	S	S	S	S	S
J Cade Burks President, EC Power	S	S	S	S	S	S
V A C A N C Y						
SUPPLIER SEGMENT						
V A C A N C Y						
David Booty Director of Operations, Direct Energy Business Services	S	S	S	S	S	S
V A C A N C Y						
Richard Zelenko General Manager, Dominion Retail Inc.	S	S	S	S	S	S

Wholesale Electric Quadrant

END USER SEGMENT	SUB-SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4	VOTE 5	VOTE 6
John A. Anderson President and CEO, Electricity Consumers Resource Council (ELCON)	LIND	S	S	S	S	S	S
Jeanne Zaiontz Carol Guthrie General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	LIND SGEN						
V A C A N C Y	COMPRET						
V A C A N C Y	IOU						
John Reese Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	REG						
Kevin Burns Vice President Sales and Marketing, Open Access Technology	AT LARGE	S	S	S	S	S	S



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International, Inc.

DISTRIBUTION/LSE SEGMENT							
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU					
Mark Crosswhite	Senior Vice President & General Counsel – Generation and Energy Marketing, Southern Company	IOU	S	S	S	S	S
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	MUNI-COOP	S	S	S	S	S
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	MUNI-COOP	S	S	S	S	S
Mark B. Bonsall	Chief Financial Executive/Associate General Manager, Salt River Project	OTHER					
V A C A N C Y		COMPRET AT LARGE					
Bruce Ellsworth	New York State Reliability Council	SUB-SEGMENT					
V A C A N C Y		FED					
Charles W. Severance	Director Bulk Power, Wisconsin Public Service Corporation	IOU	S	S	S	S	S
John J. Dellas	Executive Manager, Electric Supply, Consumers Energy	IOU	S	S	S	S	S
Dennis Sobieski	Managing Director – Business Development, PSEG Power	MERC	S	S	S	S	S
Thomas Ingwers	Director, Energy Trading and Contracts, Sacramento Municipal Utility District	MUNI-COOP					
Gloria Ogenyi	Director Energy and Market Policy, Connectiv Energy Supply, Inc.	MERC	S	S	S	S	S
Ron Mucci	Senior Vice President Shared Services, Williams Power Company	AT LARGE	S	S	S	S	S
V A C A N C Y		SUB-SEGMENT					
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	FED					
Peter Flynn	Vice President Transmission Strategy and Policy, National Grid USA	ITC					
Paul McCoy	Executive Vice President of Transmission System Operations, Trans-Elect	ITC	S	S	S	S	S
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	MUNI-COOP	S	S	S	S	S
John E. Lucas	Manager, Transmission Services, Southern Company	IOU	S	S	S	S	S
Michael Desselle	Director Public Policy, American Electric Power	IOU	S	S	S	S	S
Ken Wiley	President and Chief Executive Officer, Florida Reliability Coordinating Council	AT LARGE	S	S	S	S	S
V A C A N C Y		SUB-SEGMENT					
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	FED	S	S	S	S	S
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	S	S	S	S	S
Roy True	Manager of RTO Market Development, ACES Power Marketing	MUNI-COOP					
V A C A N C Y		N IOU					



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Michael Grim	Director of Markets and Regulation, TXU Business Services	N IOU	S	S	S	S	S	S	S
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	IOU	S	S	S	S	S	S	S
Rick Smead	Director, Navigant Consulting, Inc.	AT LARGE	S	S	S	S	S	S	S

Retail Gas Quadrant

DISTRIBUTORS SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4	VOTE 5	VOTE 6
Craig White	S	S	S	S	S	S
Glen R. Schwalbach	S	S	S	S	S	S
Mark T. Maassel	S	S	S	S	S	S
Paul J. Szykman						
V A C A N C Y						
V A C A N C Y						

END USERS SEGMENT

V A C A N C Y						
Tina Burnett	S	S	S	S	S	S
V A C A N C Y						
V A C A N C Y						
V A C A N C Y						
V A C A N C Y						

SERVICE PROVIDERS SEGMENT

Leigh Spangler	S	S	S	S	S	S
V A C A N C Y						
Dave Darnell	S	S	S	S	S	S
Greg Lander						
V A C A N C Y						
V A C A N C Y						

SUPPLIER SEGMENT

Kathy Fudali						
V A C A N C Y						
V A C A N C Y						
V A C A N C Y						
V A C A N C Y						
V A C A N C Y						

Wholesale Gas Quadrant

END USER SEGMENT	VOTE 7	VOTE 8	VOTE 9
Valerie Crockett	S	S	S
Joe Stepenovitch	S	S	S
John Procario	S	S	S



North American Energy Standards Board

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Home Page: www.naesb.org

Marty Patterson	Director, Cinergy - unregulated	S	S	S
Jim Templeton	Principal, Comprehensive Energy Services	S	S	S
LDC SEGMENT				
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	S	S	S
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	S	S	S
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	S	S	S
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	S	S	S
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	S	S	S
PIPELINE SEGMENT				
Terry McGill	Executive Vice President, Enbridge Energy	S	S	S
Larry Smith	Vice President Commercial Operations, Tennessee Gas Pipeline Company	S	S	S
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	S	S	S
V A C A N C Y				
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	S	S	S
PRODUCER SEGMENT				
Jay Elizzey	Manager - Regulatory and Opco Support, ChevronTexaco Natural Gas	S	S	S
William T. Benham	Vice President - Regulatory Affairs, BP Energy Company	S	S	S
Keith Sappenfeld	Regional Director - US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	S	S	S
Bill Hebenstreit	Director of Contract Services - El Paso Production Company	S	S	S
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	S	S	S
SERVICES SEGMENT				
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	S	S	S
Michael Smith	Vice President—Regulatory and Legislative Affairs, Constellation Energy Commodities Group	S	S	S
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	S	S	S
Lyn Maddox	Consultant, Oxadel Consulting, LLC	S	S	S
V A C A N C Y				
Retail Electric Quadrant				
DISTRIBUTOR SEGMENT				
David Koogler	Director - Regulation & Competition, Dominion Virginia Power (SERC NERC Region)	S	S	S
Bill Bourbonnais	Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)	S	S	S
V A C A N C Y				
Leonard Haynes	Executive Vice President and Chief Marketing Officer, Southern Company Services (SERC NERC Region)	S	S	S
END USER SEGMENT				



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Sonny Popowsky V A C A N C Y	Pennsylvania Office of Consumer Advocate	S	S	S	S
V A C A N C Y					
V A C A N C Y					
V A C A N C Y					
SERVICES SEGMENT					
V A C A N C Y					
Stacey Wood	Director, The Structure Group	S	S	S	S
J Cade Burks	President, EC Power	S	S	S	S
V A C A N C Y					
SUPPLIER SEGMENT					
V A C A N C Y					
David Booty	Director of Operations, Direct Energy Business Services	S	S	S	S
V A C A N C Y					
Richard Zelenko	General Manager, Dominion Retail Inc.	S	S	S	S

Wholesale Electric Quadrant

END USER SEGMENT	SUB-SEGMENT	VOTE 7	VOTE 8	VOTE 9
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	S	S	S
Jeanne Zaiontz	Director, Regulatory Affairs, BP Energy Co.			
Carol Guthrie	General Manager, Electric Market Strategies, Chevron/Texaco Energy Research and Technology Company			
V A C A N C Y	COMPRET			
V A C A N C Y	IOU			
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service			
Kevin Burns	Vice President Sales and Marketing, Open Access Technology International, Inc.	S	S	S
DISTRIBUTION/LSE SEGMENT				
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy			
Mark Crosswhite	Senior Vice President & General Counsel - Generation and Energy Marketing, Southern Company	S	S	S
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	S	S	S
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	S	S	S
Mark B. Bonsall	Chief Financial Executive/Associate General Manager, Salt River	S	S	S



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Mark T. Maassel
 Paul J. Szykman
 V A C A N C Y
 V A C A N C Y

President, Northern Indiana Public Service Company (NiSource, Inc.)
 Director – Rates and Gas Supply, UGI Utilities, Inc.

S S S S

END USERS SEGMENT

V A C A N C Y
 Tina Burnett
 V A C A N C Y
 V A C A N C Y
 V A C A N C Y
 V A C A N C Y
 V A C A N C Y

Chair, Northwest Industrial Gas Users Association

S S S S

SERVICE PROVIDERS SEGMENT

Leigh Spangler
 V A C A N C Y
 Dave Darnell
 Greg Lander
 V A C A N C Y
 V A C A N C Y

President, Latitude Technologies Inc.
 President & CEO, Systrends Inc.
 Principal, Commerce Energy Group

S S S S

SUPPLIER SEGMENT

Kathy Fudali
 V A C A N C Y
 V A C A N C Y
 V A C A N C Y
 V A C A N C Y
 V A C A N C Y

Manager, Contract Administration, Sprague Energy Corp.



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TO: NAESB Board Members
FROM: Rae McQuade, NAESB President
RE: **Notational Ballot for Board Vote on the Gas-Electric Interdependence Report**
DATE: February 4, 2006

Dear Board Members:

Attached please find a ballot to indicate your vote of support, opposition or abstention regarding the approval of final report of the Gas-Electric Coordination Committee. The report can be accessed from the NAESB web site (http://www.naesb.org/pdf2/bd020306geic_report.pdf), and is not included as an attachment to this ballot due to its size. The report was unanimously endorsed by the committee on February 3 via conference call.

To cast your vote, you can complete the attached ballot by indicating your vote, then email it (vthomason@naesb.org) or fax it to the office (713-356-0067), or you can simply respond via reply to email forwarded with the ballot. We would appreciate your response no later than February 17. Should the report be endorsed by a simple majority of the Board members, it will be sent to the FERC the week of February 20. All Board members are eligible to vote and the roster can be found on pages 3-5 of this document.

The NAESB office and the GEIC Chairman Jim Templeton, want to thank the committee members and all who participated in and contributed to the drafting of this report.

Best Regards,
Rae



North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

Board of Directors Ballot Notational Vote Regarding the Approval of the GEIC Report DUE February 17, 2006

Agreement?
(Yes/No/Abstain)

Statement

I vote to approve the NAESB Gas-Electric Interdependency Report adopted unanimously by the NAESB Gas-Electric Interdependency Committee on February 3, 2006. The report can be found on the NAESB web site:
http://www.naesb.org/pdf2/bd020306geic_report.pdf

Name:	
Signature:	
Company:	
Date:	

Please return to the NAESB Office by February 17, 2006
Fax: 713-356-0067
Email: vthomason@naesb.org



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Attachment NAESB Board of Directors Roster as of February 4, 2006

NORTH AMERICAN ENERGY STANDARDS BOARD

2006 Board of Directors

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

WHOLESALE GAS

END USER SEGMENT		TERM END:
Valerie Crockett	Tennessee Valley Authority	Dec 31, 2006
Joe Stepenovitch		Dec 31, 2006
John Procaro	Vice President & COO, Cinergy - regulated	Dec 31, 2006
Marty Patterson	Director, Cinergy - unregulated	Dec 31, 2007
Jim Templeton	Principal, Comprehensive Energy Services	Dec 31, 2007
LDC SEGMENT		TERM END:
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	Dec 31, 2006
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	Dec 31, 2006
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Dec 31, 2006
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	Dec 31, 2007
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Dec 31, 2007
PIPELINE SEGMENT		TERM END:
Terry McGill	Executive Vice President, Enbridge Energy	Dec 31, 2006
Larry Smith	Vice President Commercial Operations, Tennessee Gas Pipeline Company	Dec 31, 2006
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Dec 31, 2006
V A C A N C Y		Dec 31, 2005
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	Dec 31, 2005
PRODUCER SEGMENT		TERM END:
Jay Ellzey	Manager – Regulatory and Opco Support, ChevronTexaco Natural Gas	Dec 31, 2006
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Dec 31, 2007
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	Dec 31, 2007
Bill Hebenstreit	Director of Contract Services - El Paso Production Company	Dec 31, 2006
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	Dec 31, 2007
SERVICES SEGMENT		TERM END:
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	Dec 31, 2006
Michael Smith	Vice President—Regulatory and Legislative Affairs, Constellation Energy Commodities Group	Dec 31, 2006
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	Dec 31, 2007
Lyn Maddox	Consultant, Oxadel Consulting, LLC	Dec 31, 2007

RETAIL ELECTRIC

DISTRIBUTOR SEGMENT		TERM END:
David Koogler	Director – Regulation & Competition, Dominion Virginia Power (SERC NERC Region)	Dec 31, 2007
Bill Bourbonnais	Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)	Dec 31, 2007
Ruth Kiselewich	Director Special Projects and Supplier Services, Baltimore Gas & Electric Company (MAAC NERC Region)	Dec 31, 2006
Leonard Haynes	Executive Vice President, Supply Technologies, Renewables, and Demand, Southern Company Services (SERC NERC Region)	Dec 31, 2006



North American Energy Standards Board

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Attachment NAESB Board of Directors Roster as of February 4, 2006

END USER SEGMENT		TERM END:	
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	Dec 31, 2007	
Jim Minneman	Director of Business Services, PPL Solutions LLC	Dec 31, 2007	
J Cade Burks	President, EC Power	Dec 31, 2006	
SUPPLIER SEGMENT		TERM END:	
Peter Kelly-Detwiler	Director of Operations, Constellation NewEnergy	Dec 31, 2007	
Richard Zelenko	General Manager, Dominion Retail Inc.	Dec 31, 2006	
WHOLESALE ELECTRIC			
END USER SEGMENT		TERM END:	SUB SEG
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	Dec 31, 2007	LIND
Jeanne Zaiontz	Director, Regulatory Affairs, BP Energy Co.	Dec 31, 2006	LIND
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	Dec 31, 2006	SGEN
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	Dec 31, 2006	REG
Kevin Burns	Vice President Sales and Marketing, Open Access Technology International, Inc.	Dec 31, 2007	AT LARGE
DISTRIBUTION/LSE SEGMENT		TERM END:	SUB SEG
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	Dec 31, 2007	IOU
Mark Crosswhite	Senior Vice President & General Counsel – Generation and Energy Marketing, Southern Company	Dec 31, 2006	IOU
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	Dec 31, 2007	MUNI-COOP
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Dec 31, 2006	MUNI-COOP
Bruce Ellsworth	New York State Reliability Council	Dec 31, 2007	AT LARGE
GENERATION SEGMENT		TERM END:	SUB SEG
Belinda Thornton	Senior Manager – Real Time Trading, Tennessee Valley Authority	Dec 31, 2006	FED
Charles W. Severance	Manager – Supply & Wholesale Services, Wisconsin Public Service Corporation	Dec 31, 2007	IOU
John J. Dellas	Executive Manager, Electric Supply, Consumers Energy	Dec 31, 2006	IOU
Michael Gildea	Executive Director, Regulatory Affairs, Constellation Generation Group	Dec 31, 2007	MERC
Gloria Ogenyi	Director Energy and Market Policy, Conectiv Energy Supply, Inc.	Dec 31, 2006	MERC
Ron Mucci	Senior Vice President Shared Services, Williams Power Company	Dec 31, 2007	AT LARGE
TRANSMISSION SEGMENT		TERM END:	SUB SEG
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	Dec 31, 2006	FED
V A C A N C Y		Dec 31, 2007	ITC
Paul McCoy	Executive Vice President of Transmission System Operations, Trans-Elect	Dec 31, 2006	ITC
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	Dec 31, 2007	MUNI-COOP
John E. Lucas	Manager, Transmission Services, Southern Company	Dec 31, 2006	IOU
Michael Desselle	Director Public Policy, American Electric Power	Dec 31, 2007	IOU
Ken Wiley	President and Chief Executive Officer, Florida Reliability Coordinating Council	DEC 31, 2007	AT LARGE
MARKETER/BROKER SEGMENT		TERM END:	SUB SEG
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Dec 31, 2007	FED
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	Dec 31, 2007	IOU
Roy True	Manager of RTO Market Development, ACES Power Marketing	Dec 31, 2006	MUNI-COOP



North American Energy Standards Board

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Attachment NAESB Board of Directors Roster as of February 4, 2006

Michael Grim	Director of Markets and Regulation, TXU Business Services	Dec 31, 2006	N IOU
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	Dec 31, 2006	IOU
Rick Smead	Director, Navigant Consulting, Inc.	Dec 31, 2007	AT LARGE

RETAIL GAS

DISTRIBUTORS SEGMENT		TERM END:
Craig White	Chief Operating Officer, Philadelphia Gas Works	Dec 31, 2006
Glen R. Schwalbach	Assistant Vice President Corporate Planning, Wisconsin Public Service Corporation	Dec 31, 2007
Mark T. Maassel	President, Northern Indiana Public Service Company (NiSource, Inc.)	Dec 31, 2006
END USERS SEGMENT		TERM END:
VACANCIES		There are no members in the segment
SERVICE PROVIDERS SEGMENT		TERM END:
Leigh Spangler	President, Latitude Technologies Inc.	Dec 31, 2006
Dave Darnell	President & CEO, Systrends Inc.	Dec 31, 2007
Greg Lander	Principal, Commerce Energy Group	Dec 31, 2007
SUPPLIER SEGMENT		TERM END:
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.	Dec 31, 2006

For all quadrants, the vacancies are not displayed in the tables above. The full roster which includes the vacancies can be accessed from the NAESB web site (http://www.naesb.org/pdf2/bod_terms.pdf).

For Wholesale Electric, 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 sub-segments for a given segment.
- COMPRET – Competitive Retailer (not available to MUNI/COOP, IOU or IOU affiliates)
- EU -- End Use (also in another segment)
- FED – Federal/State/Provincial
- IOU – Investor Owned Utility or IOU Affiliated
- ITC – Independent Transmission Company
- LIND – Large Industrials (not in other segments)
- MERC – Merchant
- MUNI-COOP – Municipals, Cooperatives
- N IOU –Not IOU affiliated
- OTHER -- (not available to MUNI/COOP, IOU or IOU affiliates)
- REG -- Regulator
- RESCOM -- Residential/Commercial
- SGEN -- 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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NORTH AMERICAN ENERGY STANDARDS BOARD GEIC Report Vote Tally – February 17, 2006

Wholesale Gas Quadrant

END USER SEGMENT		VOTE:
Valerie Crockett	Tennessee Valley Authority	Support
Joe Stepenovitch		Support
John Procario	Vice President & COO, Cinergy - regulated	
Marty Patterson	Director, Cinergy - unregulated	
Jim Templeton	Principal, Comprehensive Energy Services	Support
LDC SEGMENT		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	Support
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Support
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	Support
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	
PIPELINE SEGMENT		
Terry McGill	Executive Vice President, Enbridge Energy	Support
Larry Smith	Vice President Commercial Operations, Tennessee Gas Pipeline Company	Support
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Support
V A C A N C Y		
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	Support
PRODUCER SEGMENT		
Jay Ellzey	Manager – Regulatory and Opco Support, ChevronTexaco Natural Gas	
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Support
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	Support
Bill Hebenstreit	Director of Contract Services - El Paso Production Company	Support
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	Support
SERVICES SEGMENT		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	
Michael Smith	Vice President—Regulatory and Legislative Affairs, Constellation Energy Commodities Group	
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	
Lyn Maddox	Consultant, Oxadel Consulting, LLC	Support
V A C A N C Y		

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NORTH AMERICAN ENERGY STANDARDS BOARD GEIC Report Vote Tally – February 17, 2006

Retail Electric Quadrant

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

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NORTH AMERICAN ENERGY STANDARDS BOARD GEIC Report Vote Tally – February 17, 2006

Wholesale Electric Quadrant

END USER SEGMENT		SUB SEG	VOTE:
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	LIND	Support
Jeanne Zaiontz	Director, Regulatory Affairs, BP Energy Co.	LIND	
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	SGEN	
V A C A N C Y		COMPRET	
V A C A N C Y		IOU	
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	REG	
Kevin Burns	Vice President Sales and Marketing, Open Access Technology International, Inc.	AT LARGE	
DISTRIBUTION/LSE SEGMENT		SUB SEG	
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	
Mark Crosswhite	Senior Vice President & General Counsel – Generation and Energy Marketing, Southern Company	IOU	
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	MUNI-COOP	Support
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	MUNI-COOP	Support
V A C A N C Y		OTHER	
V A C A N C Y		COMPRET	
Bruce Ellsworth	New York State Reliability Council	AT LARGE	Support
GENERATION SEGMENT		SUB SEG	
Belinda Thornton	Senior Manager – Real Time Trading, Tennessee Valley Authority	FED	Support
Charles W. Severance	Manager – Supply & Wholesale Services, Wisconsin Public Service Corporation	IOU	Support
John J. Dellas	Executive Manager, Electric Supply, Consumers Energy	IOU	
Michael Gildea	Executive Director, Regulatory Affairs, Constellation Generation Group	MERC	Support
V A C A N C Y		MUNI-COOP	
Gloria Ogenyi	Director Energy and Market Policy, Conectiv Energy Supply, Inc.	MERC	Support
Ron Mucci	Senior Vice President Shared Services, Williams Power Company	AT LARGE	Support

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TRANSMISSION SEGMENT		SUB SEG	VOTE:
Mitchell Needham on behalf of W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	FED	Support
V A C A N C Y		ITC	
Paul McCoy	Executive Vice President of Transmission System Operations, Trans-Elect	ITC	Support
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	MUNI-COOP	Support
John E. Lucas	Manager, Transmission Services, Southern Company	IOU	Support
Michael Desselle	Director Public Policy, American Electric Power	IOU	Support
Ken Wiley	President and Chief Executive Officer, Florida Reliability Coordinating Council	AT LARGE	
MARKETER/BROKER SEGMENT		SUB SEG	
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	FED	
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	Support
Roy True	Manager of RTO Market Development, ACES Power Marketing	MUNI-COOP	
V A C A N C Y		N IOU	
Michael Grim	Director of Markets and Regulation, TXU Business Services	N IOU	Support
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	IOU	
Rick Smead	Director, Navigant Consulting, Inc.	AT LARGE	Support

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 sub-segments for a given segment.

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

EU -- End Use (also in another segment)

FED – Federal/State/Provincial

IOU – Investor Owned Utility or IOU Affiliated

ITC – Independent Transmission Company

LIND – Large Industrials (not in other segments)

MERC – Merchant

MUNI-COOP – Municipals, Cooperatives

N IOU –Not IOU affiliated

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

REG -- Regulator

RESCOM -- Residential/Commercial

SGEN -- 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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NORTH AMERICAN ENERGY STANDARDS BOARD GEIC Report Vote Tally – February 17, 2006

Retail Gas Quadrant

DISTRIBUTORS SEGMENT	VOTE:
Craig White	Chief Operating Officer, Philadelphia Gas Works
Glen R. Schwalbach	Assistant Vice President Corporate Planning, Wisconsin Public Service Corporation
Mark T. Maassel	President, Northern Indiana Public Service Company (NiSource, Inc.)
V A C A N C Y	Support
V A C A N C Y	
V A C A N C Y	
END USERS SEGMENT	
V A C A N C Y	
V A C A N C Y	
V A C A N C Y	
V A C A N C Y	
V A C A N C Y	
V A C A N C Y	
SERVICE PROVIDERS SEGMENT	
Leigh Spangler	President, Latitude Technologies Inc.
V A C A N C Y	
Dave Darnell	President & CEO, Systrends Inc.
Greg Lander	Principal, Commerce Energy Group
V A C A N C Y	Support
V A C A N C Y	
SUPPLIER SEGMENT	
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.
V A C A N C Y	
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North American Energy Standards Board

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TO: Advisory Council Members, NAESB Board of Directors, NAESB Executive Committee Officers, Posting for Interested Industry Participants

FROM: James Cargas, NAESB Deputy Director

RE: Minutes from the NAESB Advisory Council Meeting – February 11, 2006

DATE: February 17, 2006

NAESB Advisory Council Meeting
Saturday, February 11, 2005
4:00 to 6:00 p.m. Eastern
Washington, DC

1. Welcome & Administrative Items

Mr. Bruce Ellsworth, chair, NAESB Advisory Council, called the meeting to order. Mr. Bill Boswell, NAESB General Counsel, gave the antitrust advice. The draft agenda was adopted by consensus. Mr. James Cargas, NAESB Deputy Director, took the roll call.

2. Coordination with Government Agencies

a. Federal Energy Regulatory Commission (FERC)

Ms. Rae McQuade, NAESB Executive Director, reviewed the 13 regulatory filings made during 2005. In the past, GISB typically made one or two agency filings per year. With the robust activities in the two wholesale quadrants, Ms. McQuade anticipates the trend to continue in 2006. Mr. Ellsworth acknowledged the cooperation and guidance provided by FERC staff to ensure the relevance and responsiveness of these filings. Mr. Keating agreed and also applauded the NAESB staff for building a similar good working relationship with RTOs and ISOs. Ms. McQuade also provided a preview of FERC filings NAESB anticipates making in 2006. The details of these filings and plans can be found in the materials provided to the Advisory Council.

b. US Department of Energy and Sandia National Laboratories

Ms. McQuade reported that Sandia National Laboratories (SNL) is conducting an assessment of the WGQ and WEQ standards under the supervision of the US Department of Energy's Fossil Energy Office. The last assessment of the security and telecommunications standards was conducted in 1999. SNL is expected to produce its finding in 2Q 2006 and then give NAESB an opportunity to respond and make any necessary amendments to its standards.

3. Coordination with Other Standards Organizations and Energy Groups

a. National Association of Regulatory Utility Commissioners (NARUC)

The Monthly Update conference calls continue to be a success, Ms. McQuade reported. The agenda is put together each month with the help of commission staffers Diane Barney (NY), Thom Pearce (OH) and Lou Ann Westerfield (ID). This one-hour call was initially intended to benefit commission staff, but has since become very popular with NAESB members and trade association staffers seeking to follow NAESB's activities. The schedule for 2006 has been posted.

Also, Ms. McQuade will be making presentations to the NARUC Electric and Gas Subcommittees during the NARUC Winter Meeting that begins tomorrow. Her presentations will summarize NAESB's 2005 activities, 2006 Annual Plans and preview the GEIC Final Report.



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b. North American Electric Reliability Council (NERC)

Ms. McQuade described the draft NAESB-NERC coordination plan that will permit both organizations to better work together, reduce the possibility of standards overlap, and, for the first time, jointly develop and publish standards. Mr. David Cook, NERC General Counsel, concurred and supported the draft coordination plan. He also stated that the relationship between the two organizations will not change after NERC becomes the ERO.

c. Joint Interface Council (JIC)

The JIC was created by the three-way Memorandum of Understanding (MOU) between NAESB, NERC and the ISO-RTO Council (IRC). Its role is to review requests for standards from NAESB and standards authorization requests from NERC and determine where each should be assigned. Because of the differences between the two forms of requests, NAESB has found it beneficial to also submit a scoping document with some of its requests to facilitate the proper assignment.

d. Trade Associations

Ms. McQuade reported that NAESB has continued to work with EEI, NEMA, AGA, INGAA, NGSA and many other energy industry trade associations in 2005. She has kept them informed through various distribution lists so that they may keep their members informed, and voice their opinions and influence NAESB's standards development process.

e. Energy Bar Association

Mr. Cargas and Mr. Boswell were asked by the Energy Bar Association to write an article about NAESB for their *Energy Law Journal*. The title of their article will be "North American Energy Standards Board: Legal and Administrative Underpinnings of a Consensus Based Organization." Part I will provide a history of GISB and its transition into NAESB. Part II will explore the legal foundations for a federal agency delegating authority to a non-government organization and will conclude that is not the approach taken by FERC with NAESB. Part III will then explore the approach FERC has taken during the past 11 years with GISB and NAESB -- the incorporation by reference of consensus-based industry standard into FERC's enforceable regulations. The article is expected to be published in April 2006.

4. Update on Quadrant Activities

Ms. McQuade announced the redesigned Certification Program adopted by the Board on Dec. 13, 2005. The revised program incorporates a self-certification approach modeled after the Sarbanes-Oxley certifications required by the Securities Exchange Commission (SEC). This new approach eliminates the need to retain an independent reviewer, reduces the administrative burden on staff, and permits NAESB to lower the cost significantly. Also, the revised program was extended to WGQ Version 1.7 and WEQ OASIS S&CP standards. Ms. McQuade anticipates the Retail Quadrants joining the Program and the WEQ adopting a Public Key Infrastructure (PKI) component in 2006.

a. WEQ 2005 Highlights and Review of 2006 Annual Plan

As stated above, NAESB submitted its first set of WEQ standards to FERC in Docket No. RM05-5-000 on Jan. 18, 2005. Subsequently, on May 9, 2005, the FERC issued a NOPR with comments due July 1, 2005. As of yet, there has not been a final order issued.

On Nov. 20, 2005, Ms. McQuade reported the WEQ Inadvertent Interchange Payback Task Force (IIPTF) recommended not making any changes to the existing model. Two new models were developed to address this issue, however, neither one was able to gain a consensus.



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The final report of the D-U-N-S® Task Force was reviewed. The WEQ will look for alternatives since D-U-N-S® does not support the functional model. This will be an expensive change for utilities since the numbers are embedded in many of their back office systems. NAESB is continuing discussions with Dunn & Bradstreet on potential accommodations.

Ms. McQuade reported the WEQ Executive Committee (EC) adopted the Transmission Load Relief (TLR) business practices split of standards for Version "0" on Dec. 19, 2005. However, ratification will be delayed until WEQ Board members have concluded their review of TLR coordination between NERC and NAESB. Final ratification is expected in 1Q 2006. The standards will not be filed with FERC once ratification is complete, until both NERC and NAESB have reviewed the NERC and NAESB work products to determine if further changes are needed.

Ms. McQuade previewed the GEIC Final Report that is expected to be filed with FERC by the end of the month. There are several issues that were addressed in the report, but NAESB does not intend to pursue additional standards development unless the industry through broad consensus and support, or the regulators indicate that we should do so. The Board currently is voting on it notationally. Early voting indicates that it will pass, after which it will be filed.

In 2005, the WEQ received 9 requests for standards and adopted 7 new sets of standards.

With regard to membership, Ms. McQuade expressed concern about getting competitive retailers and end-users to join. In 2005, minor amendments were made to the WEQ Bylaws creating an At-Large Subsegment that better enables RTOs, RROs and ISOs to join. Although their participation at the subcommittee level continues to be strong, no new RTOs, RROs or ISOs have joined.

The 2006 WEQ Annual Plan was reviewed. It calls for the continued development of business practices to compliment reliability standards, the enhancement of OASIS business practices, and completion of PKI standards for security. New for 2006, Ms. McQuade reported, the Plan calls for the development of a joint operators training manual, the identification of e-Tag enhancements, registry enhancements, and IDC enhancements with NERC. Additional standards to be developed in 2006 will modify and complete FERC standards of conduct and affiliate reporting standards.

b. RGQ and REQ 2005 Highlights and Review of Joint 2006 Annual Plan

Ms. McQuade was very pleased to report that the Retail Electric Quadrant (REQ) and Retail Gas Quadrant (RGQ) reached a milestone with the publication of their first set of model business practices (MBPs) on Sept. 27, 2005. The Version 1.0 publication covered eight parts:

- Part 0 Glossary
- Part 1 Market participant interactions
- Part 2 Creditworthiness
- Part 3 Billing and Payments
- Part 4 Distribution company-supplier dispute resolution
- Part 5 Quadrant specific electronic delivery mechanism (EDM)
- Part 6 Contracts
- Part 7 Internet Electronic Transport (Internet ET)

In almost all instances, the MBPs are commodity neutral permitting cross industry standardization as well as intra-industry standardization where they are applied. Ms. McQuade described this as a tremendous effort by a relatively small group of individuals.

The final report of the D-U-N-S® Task Force did not recommend any changes to existing MBPs. However, if the WEQ adopts an alternative in the future, the Retail Quadrants are likely to follow.



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As discussed more fully below, the board-level Retail Structure Review Committee (RSRC) issued its final report on Dec. 6, 2005 recommending no changes to the Certificate or Bylaws at this time. The RSRC will review this recommendation in 4Q 2006.

The Retail Quadrants received 3 requests for standards and adopted 4 sets of MBPs in 2005.

The Joint Retail Annual Plan was reviewed. For the first time, the REQ and RGQ adopted a single annual plan avoiding the duplication of the past. The Joint Annual Plan still recognizes the few instances where commodity neutral MBPs are called for. Ms. McQuade stated the 2006 Plan will address billing and payments, electronic invoicing, pre-enrollment customer information and customer enrollment, switching and dropping. Additionally, the Retail Quadrants are working on a base contract for the purchase and sale of power and natural gas in retail markets.

c. WGQ 2005 Highlights and Review of 2006 Annual Plan

On May 9, 2005, the same day it issued a NOPR for WEQ Version "0", the FERC issued final Order 587-S in Docket No. RM06-1-026 adopting WGQ Version 1.7 including the gas quality reporting standards. The Commission set a Sept. 1, 2005 implementation date. WGQ has set July 31, 2006 as a target date for developing and publishing Version 1.8.

The final report of the D-U-N-S® Task Force also recommended not pursuing alternatives for WGQ at this time since the many standards using the numbers are still able to operate. However, many WGQ members have reported customer support problems, an inability to get new numbers issued in a timely manner and missing data. These issues may be resolved in the on-going negotiations with Dunn & Bradstreet.

In 2005, the WGQ received 19 requests for standards and adopted 27 sets of standards.

The 2006 WGQ Annual Plan was reviewed. It includes completing Part B of R03035 (gas quality request) and modifying the popular Base Contract to support today's market needs and the LNG industry. The WGQ will also continue to maintain over 600 business practices and electronic communications standards.

Ms. McQuade reported that the WGQ membership was the most stable of the four quadrants.

5. Discussion of Board Level Committees

a. Gas-Electric Interdependency Committee (GEIC)

Board member and NAESB Managing Committee member, Jim Templeton, chairs this committee. He reported that this Committee was formed in Spring 2004 to bring the gas and electric industries together to prevent future brown outs. In the end the GEIC produced 13 issues deserving attention, six of which could be addressed through the development of standards by NAESB or NERC. Mr. Templeton reviewed the six issues in the report. However, Mr. Templeton concluded, consensus would be difficult on these issues absent additional policy determinations from FERC. Ms. McQuade noted that representation on the Committee was equally divided between representatives from the gas and electric industries. She also said the report was expected to be adopted by the Board in mid February and filed with the FERC shortly thereafter.

Mr. W. Robert Keating, Commissioner from Massachusetts, suggested the National Regulatory Research Institute (NRRI) could assist with developing consensus on the 6 GEIC issues. Commissioner Keating emphasized the importance of resolving these issues since New England depends on 40% of its electricity needs from gas fired generation. Mr. Rowe concurred and suggested stressing the importance of the GEIC report to NARUC committee chairs. Ms. Diane Barney offered that the issues should be accompanied by risk factors and costs, after which decisions could be made by regulators on how best to address needs, possibly regionally. Mr. Thom



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Pearce suggested the NARUC Critical Infrastructure Committee could play a role in addressing some of the issues identified.

b. Certification Program Committee (CPC)

(The CPC was discussed above).

c. Resources Committee

Board member Gloria Ogenyi chairs the Resources Committee and Board member R. Scott Brown serves as the vice chair. As discussed above, the Retail Quadrants are losing members, the WEQ is slowly gaining members and the WGQ is stable. As of Jan. 12, 2006, the REQ has 29 members down from 32 a year ago; the RGQ has 27 members down from 32; the WEQ has 139 members up from 133; and the WGQ has 123 members compared to 122 a year ago.

d. Retail Awareness Committee (RAC)

Board member Cade Burks chairs this committee. He reviewed the new Retail Awareness web site which will be incorporated into the NAESB web site soon. The goal of the new site, Mr. Burks explained, was to make others aware of what is happening on a state-by-state basis. The site does not advocate any position. The site shows each state that has incorporated NAESB's standards and provides an executive overview. Any NAESB correspondence with a state regulatory community will also be posted on each state's web page. Mr. Burks sought actual contacts in each state commission who can help keep the information updated and serve as a point of contact if individuals are interested in more information.

e. Retail Structure Review Committee (RSRC)

The RSRC was formed to review whether the REQ and RGQ "should be merged and/or otherwise be restructured to bring membership levels above NAESB minimum levels." The minimum levels set forth in NAESB's Bylaws are 40 per quadrant. The REQ now has only 29 members and the RGQ now has only 27 members. Board member Bill Bourbonnais chairs this Committee and led a strategic discussion of the future of the Retail Quadrants.

On Dec. 6, 2005, the RSRC issued its report to the Board that no structural changes be adopted at this time so that the current work in support of customer choice jurisdictions may be completed. The Board adopted the report on Dec. 13, 2005, and requested that the recommendations be revisited in 4Q 2006.

A major reason for this decline, Mr. Bourbonnais explained, was the decline in retail choice not moving forward, and in some states, being reversed. The Retail Quadrants have already begun working on MBPs that support all state retail efforts, including the development of electronic retail invoicing (R05016) and a retail power and natural gas base contract (R05013). In the future, Mr. Bourbonnais said, more of their work will be in areas with national application. Mr. Keating said these efforts, which have value to all states, need to be advertised more widely. Ms. McQuade noted the NAESB newsletter has had limited impact, but the monthly update calls are very successful. Ms. Barney concurred but felt that word was not reaching the commissioner-level. The RAC outreach presentations are still needed.

Another common problem experienced by the Retail Quadrants and other trade associations is the existence of "free riders." Because it is possible to purchase the standards, use the standards and participate in meetings without joining, many retail organizations do. NAESB benefits from the increased participation, but also struggles with limited resources.

There was consensus that state commissioners have an important role in determining whether the Retail Quadrants remain relevant. The effort of the RAC in educating them about NAESB was



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stressed. Ms. McQuade acknowledged the assistance of NARUC, especially in announcing the publication of the Retail Version 1.0 standards in their newsletter. Ms. McQuade also acknowledged the willingness of the NARUC Gas and Electric Subcommittees to regularly put her on their agenda as an effective means of keeping the states informed. Ms. Ogg noted that this was a key driver in the wholesale quadrants.

Mr. Cargas noted that the Ontario Energy Board (OEB) requested a complete set of gas standards to aid in the revision of their gas regulations. In the end, however, OEB did not adopt any of them. Mr. Keating suggested that much of NAESB's work is detailed and a high level presentation of the benefits of the standards would be valuable to the commissioners. Ms. Rantala said Pennsylvania is currently reviewing their retail regulations presenting another opportunity to prove NAESB's value.

6. New Business – Election of Chair for 2006-2007

Mr. Ellsworth turned over the gavel to Mr. Boswell, who then entertained nominations for NAESB Advisory Council Chair for 2006-2007. Mr. Keating nominated Mr. Ellsworth for another term. The nomination was seconded by Mr. Gee. The nomination was supported unanimously.

8. Adjourn

The meeting was adjourned at 6:00 p.m. Eastern.

Advisory Council Members in Attendance:

1	Vickey Bailey	Partner, Johnston and Associates & Former FERC Commissioner
2	Diane Barney	New York State Department of Public Service
3	Bruce Ellsworth	Chairman, NAESB Advisory Council & Former Commissioner, N.H. Public Utilities Commission & Former Chairman, NARUC
4	Robert Gee	President, The Gee Strategies Group, & former Asst. Secretary, U.S. Dept. of Energy, & former Chair, PUC of Texas
5	W. Robert Keating	Commissioner, Massachusetts Dept. of Telecom. and Energy
6	Don Mason	Commissioner, Ohio Public Utilities Commission
7	Thom Pearce	Ohio Public Utilities Commission
8	Bob Rowe	Former Chairman, Montana Public Service Commission



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Observers in Attendance:

9	Barbara Alexander	Maine Office of Public Advocate
10	Dipka Bhambhani	Platts
11	Bill Boswell	NAESB General Counsel
12	Bill Bourbonnais	WPS Resources
13	Cade Burks	EC Power
14	David Cook	North American Electric Reliability Council (NERC)
15	Dale Davis	Williams Gas Pipeline
16	Leonard Haynes	Southern Company
17	Will Johnson	Visage Energy
18	Ruth Kiselewich	Baltimore Gas & Electric
19	David Koogler	Dominion Virginia Power
20	Melissa Lauderdale	Edison Electric Institute (EEI)
21	Michael Novak	National Fuel Gas Distribution Co.
22	Joelle Ogg	Brunenkant & Cross
23	Stacey Rantala	National Energy Marketers Association (NEM)
24	Grace Soderberg	National Assoc. of Regulatory Utility Commissioners (NARUC)
25	Jim Templeton	Comprehensive Energy Services
26	Barbara Mariner-Volpe	US Energy Information Agency (EIA)

NAESB Staff in Attendance:

27	James Cargas	
28	Laura Kennedy	
29	DeDe Kirby	
30	Rae McQuade	President
31	Veronica Thomason	

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

TAB 4

REPORTS ON BOARD COMMITTEES

This section includes:

- Most recent minutes or work papers of each of the following board committees as posted on the web site: ERO Coordination, Resources, Retail Awareness, Retail Structure Review, Gas – Electric Interdependency. While the status on Duns Coding efforts and the progress on the use of the new certification program will be reported, no materials are provided.
- The material presented is background information for the discussion of agenda item 2. No action is asked of the Board of Directors.

Sent: Wednesday, February 22, 2006 5:04 PM
Subject: NERC-NAESB Joint Standards Development

Fellow WEQ Board members,

Attached please find the consensus template for NERC-NAESB joint standards development process that we have reached agreement with the NERC organization. I am very pleased that both organizations were able to reach agreement on this template and urge each of you to give it your support. This new approach will allow the reliability requirements to be developed through the NERC process and the commercial business practices to be developed through the NAESB process, with the actual development work being done by a joint team sponsored by both NERC and NAESB. Thus the standards will be separate but closely coordinated and more effective than previous efforts to assign standards to either NERC or NAESB when the subject matter clearly contains both reliability and commercial business practice elements.

In addition to the joint standards development template, the agreement with NERC addresses NAESB's standard for TLR business practices. We will begin a collaborative effort using the new joint standards development process to determine if modifications are needed. As such, unless you have concerns, I suggest that we announce that the WEQ Board Members are satisfied that the coordination between NERC and NAESB has been achieved and we authorize NAESB staff to proceed with the ratification of the TLR business practices. Further, we would direct the NAESB staff to delay filing the TLR business practices with the FERC until NERC has had the needed time to complete its TLR reliability standards and give both organizations the opportunity to determine if additional changes are needed through using the procedure outlined in the template.

If I do not hear any concerns raised, I will ask the NAESB office to send out the ratification ballot for TLR business practices on March 10. Best Regards, Michael



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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:

- 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



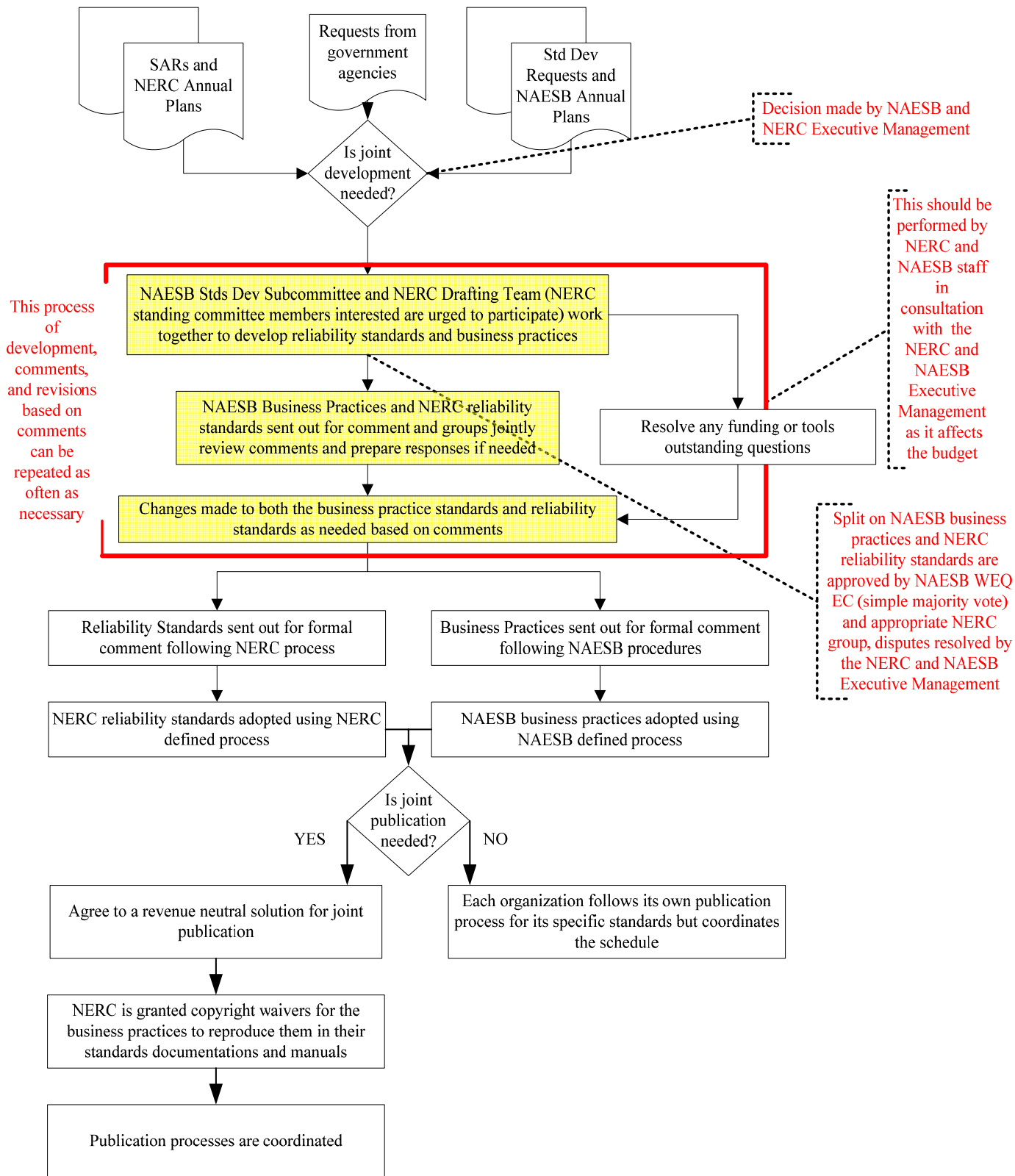
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**NERC NAESB Template
 Procedure for Joint Standards Development and Coordination
 Prepared as of 2-22-06**

	<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 Energy Standards Board

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 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
 Home Page: www.naesb.org

via email

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

FROM: James Cargas, NAESB Deputy Director

RE: Notes from Resources Committee Conference Call on January 19, 2006

DATE: February 1, 2006

Dear Resources Committee, RSRC, and Managing Committee Members,

A Resources Committee conference call was held on January 19, 2006. The previously scheduled conference call for January 12, 2006, was cancelled at the request of the Chairman and Vice-Chairman. The following notes and assignments resulted from the meeting.

Resources Committee:

Thursday, January 19, 2006

- | | |
|---|---|
| Administrative: | <ul style="list-style-type: none"> • Mr. Cargas reviewed the anti-trust warning 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 11 new members. <ul style="list-style-type: none"> ◦ New members since last call [3]: Powerex Corp. (WGQ, Services), TXU Electric Delivery (REQ, Distributor), and Wal-Mart Stores Inc. (REQ, End-User). ◦ Subscriptions to Home Page Access since last call [0]: None. ◦ Resignations since last call [2]: Northwest Industrial Gas Users (RGQ, End-User), and DTE Energy (WEQ, Merchant, IOU). |
| Status Reports on Follow Up Calls: | <ul style="list-style-type: none"> • Ms. Ogenyi, Mr. Brown, Mr. Hebenstreit and Mr. Cargas provided updates on their follow up calls to prospective members. • Mr. Brown contacted Mirant about rejoining without success. He offered to contact Allegheny Energy, DTE Energy and Exelon. |
| End-User Outreach: | <ul style="list-style-type: none"> • The end-user letter and materials went out to 87 prospective members on Aug. 29. To date, approximately 14 have received follow up calls. • Ms. Ogenyi offered to make even more end-user calls. Mr. Cargas will send follow up materials where requested, and attempt to locate good phone numbers when notified. |
| Retail Quadrant Outreach & RSRC Coordination: | <ul style="list-style-type: none"> • Ms. Kiselewich and Mr. Bourbonnais both offered to make follow up call during the Retail Structure Review Committee (RSRC) call. They have been sent a list to chose from. |
| Resources Board Presentation on Dec. 13: | <ul style="list-style-type: none"> • Mr. Cargas continues to work on the statistical analysis but is having some difficulty. • The Dec. 13, 2005, Board meeting presentation went well. A new Board Membership Program was initiated with tracking of each board member's progress to signing up two new members. The limitations and benefits of the new program were discussed. |



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- Board member Mr. Lyn Maddox has received a commitment from Dayton Power & Light to join. Mr. Cargas is following up. Ms. Ogenyi will also contact them regarding an Executive Committee seat vacancy.
- Board member Mr. Kevin Burns has recommended a contact at NRG Energy. Mr. Cargas will follow up.
- Board member Mr. Mike Novak provided a lead for one of the discounted consumer advocate memberships if it becomes available.

Other Business:

- The proposed dates for 2006 will not work for several members. Mr. Cargas will select additional dates on Tuesdays and Wednesdays.

Action Items:

Action Items:

- All committee members will continue to place follow up calls to prospective members assigned to them.
- Mr. Cargas will locate better phone numbers for end-user follow up calls when notified.
- Ms. Ogenyi will make additional end-user follow up calls.
- Mr. Brown will contact Allegheny Energy, DTE Energy and Exelon.
- Mr. Cargas will follow up on leads from board members Mr. Maddox, Mr. Burns and Mr. Novak.
- Mr. Cargas will continue to work on a statistical analysis of NAESB's membership.
- Mr. Cargas will select additional conference call dates for 2006.

Attendance:

	Name:		Organization:	Comte. Member:
1	Scott Brown		Exelon Corporation	Yes, Vice Chair
2	James Cargas		NAESB	Deputy Director
3	Bill Hebenstreit		El Paso Production Co.	Yes
4	Mike Novak		National Fuel Gas Dist.	Yes
5	Gloria Ogenyi		Conectiv Energy	Yes, Chairman

Upcoming Conference Calls and Meetings:

- Tues., March 7, at 1:00pm Central (2:00pm Eastern) (prepare for March 23 Board meeting)
- Tues., April 18, at 1:00pm Central (2:00pm Eastern)
- Tues., May 23, at 1:00pm Central (2:00pm Eastern)
- Tues., June 13, at 1:00pm Central (2:00pm Eastern) (prepare for June 22 Board meeting)
- Tues., July 25, at 1:00pm Central (2:00pm Eastern)



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March 10, 2006

DELIVERED VIA E-MAIL

Dear Commissioner:

At the request of our [Advisory Council](#)¹, NAESB is pleased to announce the installment of a page on its website that provides information on the retail markets in the states. Our Retail Awareness Committee determined that this information would be useful for members to use to quickly access the latest information on the retail markets in the states and decided to create a page where all of the information can be stored. We believe the information provided on the page will be a beneficial tool for companies and regulators alike.

The Retail State by State page² allows the user to click on a single state to access the retail market information for that state including an Executive Summary section; a section with a table that lists the communication method, the billing model, and the EDI/XML used by each utility in the state; and a section that will include the correspondence with the state regulators for each state. Access to the page does not require a username or password. We realize that the retail market is dynamic and will require constant upkeep on the page to ensure accuracy. We ask anyone who would like to provide an update to the page to contact our office.

The retail quadrants have recently begun to develop model business practices that would support all states regardless of their status on retail competition. The Business Practices Subcommittee has begun drafting billing and invoicing practices (a request forwarded by WalMart and J. C. Penney) and the Contracts Subcommittee has begun drafting a retail contract for retail purchase and sales of electricity and gas. We may also undertake practice development that would support load profiling and distributed generation. The retail quadrants also continue to develop business practices that support retail choice, such as customer information and enrollment and dropping. If you or your colleagues are interested in any these efforts or would like to see us pursue other development efforts that would be beneficial to your state, please contact the NAESB office. Similarly, we could also set up conference calls or arrange visits to talk with you and/or your staff on NAESB efforts underway and plans.

The Retail Awareness Committee is a Board Committee solely directed to providing information regarding our retail activities. The [committee's materials](#) can be accessed from the NAESB web site: Similarly, you can see a listing of the topics for business practices development for the retail gas and electric markets via a review of our [retail annual plan](#) via the NAESB web site. A quick way to keep abreast of our activities is easily accomplished by attending our [monthly update calls](#), or attending or monitoring our Executive Committee or Board meetings. Please contact me (rmcquade@naesb.org, 713-356-0060 (office), 281-830-7406 (cell)) if you need additional information on these meetings and related available documents.

As always, if I or my staff can be of any assistance, please do not hesitate to contact us.

Sincerely yours,

Rae McQuade
 President, NAESB

¹ Our [Advisory Council](#) is composed of state commissioners and their staffs and federal and Canadian energy government agencies. The Advisory Council is charged with providing guidance to NAESB as it prepares its plans and develops standards.

² The "Retail State by State" page is provided as hypertext in the text above and can be accessed directly from http://www.naesb.org/retail_awareness/statebystate.htm.



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cc: Mr. Robert Rosenthal, Director, Bureau of Fixed Utility Services, Pennsylvania Public Utility Commission
 Mr. Thomas Pearce, Utilities Department Natural Gas Specialist, Public Utilities Commission of Ohio
 Ms. Lou Ann Westerfield, Policy Strategist, Idaho Public Utility Commission
 Ms. Sandra Waldstein, Senior Policy Advisor, Vermont Public Service Board
 Mr. Robert Gray, Senior Economist - Utilities Division, Arizona Corporation Commission
 Mr. Robert Gee, Principal, The Gee Strategies Group, LLC
 Mr. Christopher Freitas, Program Manager, Office of Natural Gas & Petroleum, Fossil Energy, U.S. Department of Energy
 Ms. Diane Barney, Policy Engineer, New York State Department of Public Service
 Ms. Veronica Smith, Executive Director, Pennsylvania Public Utilities Commission

Mr. Chuck Gray, Executive Director, NARUC
 Ms. Mariam Arnaout, American Gas Association
 Mr. Mike McGrath, Edison Electric Institute
 Ms. Deborah Penn, American Public Power Association
 Mr. Les Fyock, American Public Gas Association
 Mr. Charles Acquard, Executive Director, NASUCA
 Mr. Ken Malloy, CEO, CAEM
 Mr. Craig Goodman, President, NEM
 Mr. Mark Bennett, Director of Policy, EPSA

NAESB Advisory Council

Mr. Mark Maassel, Chairman, NAESB, and President, Northern Indiana Public Service Company (NiSource, Inc.)
 Mr. Leonard Haynes, Vice Chairman, NAESB Retail Electric Quadrant, and Executive Vice President Supply Technologies, Renewables and Demand, Southern Co.
 Mr. Cade Burks, President, EC Power
 Mr. William P. Boswell, General Counsel, NAESB
 Ms. Ruth Kiselewich, Vice Chairman, NAESB REQ Executive Committee, and Director of Special Projects and Supplier Services, Baltimore Gas & Electric Co.
 Mr. Mike Novak, Vice Chairman, NAESB RGQ Executive Committee, and Assistant General Manager, National Fuel Gas Distribution Corp.

Reinvigorating the Retail Electric Quadrant – Candidates for Development

1. Electronic Data Interchange – Customers have been asking for this for a number of years. Most like the fact that more and more IOUs offer EDI, but find it onerous because each utility has different data fields. Standardizing the format may increase participation of customers (and perhaps members) and reduce costs.
2. Recommended Best Practice for Net Metering – The scope of this model practice would be the metering configuration, and the business practice, by which customers are credited for the energy they supply to the grid. It presumably would apply credits only against the cost of power supply (not the cost of T&D and customer care), and would account for the time of use value of power. The market for such a best practice might be large. The EPAct has a new PURPA standard for net metering, which means that net metering may be back on the table in a lot of states. Existing net metering policies in many states are non-compensatory for utilities (i.e., so it hurts the bottom line). The advent of new PURPA hearings means there is a potential for non-compensatory policies to be expanded. So a lot of utilities may see a value in doing shaping new net metering policies. And if utilities are working on it, DG vendors will feel the need to participate.
3. Recommended Best Practice for DG Interconnection – The scope of this model practice would be on the business process by which DG customers get interconnected to a distribution system. It would not address engineering standards. It would address business practices (e.g., what kind of information the customer has to present to the utility, how the utility responds to a request, how it manages multiple requests, what it does to evaluate a request, how it tracks engineering costs it incurs, how it bills those costs). The market for such a practice also might be quite large. The EPAct has a new PURPA standard for DG interconnection, which means that interconnection also may be back on the table in a lot of states. If DG development expands (e.g., stimulated by state RPSs), issues around how utilities respond to applications, and how they recover associated costs, will grow. A lot of utilities may see a value in proactively shaping these issues through a recommended business practice.
4. Brain storming – In an effort to help identify other possible candidates for the REQ, we list some ideas not as fully thought through as those above, which may be worth exploring, or which may stimulate other, related ideas:
 - a. Standard Retail Contract – A standard contract for retail service by national account customers. Would define standard elements to be addressed in service contracts.
 - b. Renewables - The proliferation of state mandates for renewable resources development is raising concerns about competitive harm, since these mandates will raise costs for IOUs, but do not apply to public systems. Is it realistic to think in terms of a model practice for organizing and funding renewables outside the utility?

- c. DR business models – The EPAct makes it federal policy to promote DR regionally, and we have been participating in the MADRI (Mid-Atlantic Distributed Resources Initiative), advocating business models by which utilities can make a profit on DR products and services. Does it make sense to work some of these models through the REQ?
- d. Decoupling alternatives – The EPAct requires DOE to report to Congress on “barriers” to DR, and recommendations for removing them. This will lead directly to decoupling (i.e., adjusting rates so that revenue requirements are recovered, irrespective of changes in kWh sent out). In MADRI we have begun to advocate for alternatives to broad decoupling (e.g., reformed rate design, targeted decoupling within classes). Are there alternatives to decoupling that we could push as a recommended best practice?
- e. TOU rates - The EPAct contains a new PURPA standard for time-based metering and communications, which addresses both advanced metering and time-differentiated rate forms. Are there any aspects of this standard that would be valuable to develop as a recommended business practice (e.g., a methodology for assessing the cost-effectiveness of deploying advanced meters and TOU rates, a best practice for peak load reduction agreements)?
- f. Energy efficiency programs – The new DOE/EPA Energy Efficiency Action Plan focuses in part on identifying best practices in energy efficiency program design. Recognizing that the interest in increased efficiency will be with us for the foreseeable future, is there any value in shaping preferred approaches through recommended business practices?

NAESB Advisory Committee Meeting
February 11, 2006 Strategic Planning - Retail Quadrant Future
AGENDA

1. Status of NAESB Retail Quadrant Membership

Retail Electric Quadrant 27 Member (down 44% since 2002)

Retail Gas Quadrant 31 Members (down 26% since 2003)

Note: Bylaw Requirement: minimum of 40 members in each quadrant

Major reasons for decline: the stalled national retail choice initiative and with NAESB Business Practice versus Best Practice policy there is no pressure to participate.

2. History of Retail Quadrant Scope of Work and Plan completions

During the June 22, 2005, NAESB Board of Directors meeting, a broad consensus of the Directors, for the Retail Quadrants, agreed that the retail quadrants should develop work products relevant to the entire retail community in both competitive and non-competitive markets and that the Annual Plans should be modified to reflect this direction.

3. Review December 2005 Board Action

The Board of Directors voted to delay any restructuring of the Retail Quadrants at this time and allow the completion of the Retail Quadrants' original work plan. Also, the Retail Structure Review Committee would complete a strategic planning exercise in 2006 to determine the direction of the two retail quadrants and complete a review of the need for structural changes to the two Retail Quadrants in 2006.

4. Preliminary ideas and suggestions for increasing Retail Quadrant membership and active involvement:

- Address processes that would appeal to states that are restructured and those states that are not, such as
 - ◆ Load profiling
 - ◆ Communications and data exchange between RTOs and EDCs
 - ◆ Access to customer meter data
 - ◆ Renewable energy programs and requirements
 - ◆ Net metering
 - ◆ Best Practices
- Advisory Committee Ideas???

NAESB Advisory Committee Meeting
 February 11, 2006
 Strategic Planning Retail Quadrant Future
 DRAFT AGENDA

1. History of NAESB Quadrant Membership

	<u>REQ</u>		<u>RGQ</u>		<u>WEQ</u>	<u>WGQ</u>
	<u>#</u>	<u>%</u>	<u>#</u>	<u>%</u>	<u>#</u>	<u>#</u>
9/23/02	48		34		158	131
9/18/03	43	-10	42	+24	162	121
9/16/04	34	-21	35	-17	138	120
9/22/05	27	-21	31	-11	146	123

Note: Bylaw Requirement: minimum of 40 members in each quadrant

2. History of Retail Quadrant Scope of Work and Plan completions
3. Review December 2005 Board Action
4. Reasons for Membership Decline?
 - a. Is the stalled National Customer Choice Initiatives the reason for Retail Sector Decline? If not what is the reason for the decline?
 - b. Is the stalled National Customer Choice Initiatives expected to change? If so when?
 - c. Is the Scope of Work for REQ/RGQ appropriate? If not what should the scope of work be?
5. What are the options for REQ/RGQ going forward?
 - a. Identified Options
 - Continue as is, expand scope of work, change Bylaws to reduce required membership, and try to increase membership through Resource Committee Efforts.
 - Combine the two quadrants and make appropriate changes to the bylaws for that combination.
 - Disband the retail quadrants until there is a renewed national customer choice initiative.
 - b. Are there other options?



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February 24, 2006
Filed Electronically

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

RE: Docket No. RM05-28-000, "NAESB Final Report on the Efforts of the Gas-Electric Interdependency Committee"

Dear Ms Salas:

The North American Energy Standards Board ("NAESB") provides the final report to the Federal Energy Regulatory Commission ("FERC" or "Commission") in Docket No. RM05-28-000, "NAESB Report on the Efforts of the Gas-Electric Interdependency Committee."

Please note that we are filing this report electronically in Adobe Acrobat® Print Document Format (.pdf). All of the documents are also available on the NAESB web site (www.naesb.org). Please feel free to call me at (713) 356-0060 or refer to the NAESB website should you have any questions or need additional information regarding this report.

Respectfully submitted,

Rae McQuade
President and COO, North American Energy Standards Board

cc: Mr. M. Maassel, NAESB Chairman and CEO
Mr. William P. Boswell, NAESB General Counsel
Mr. Jim Templeton, Gas-Electric Interdependency Committee Chair



North American Energy Standards Board
Gas and Electric Interdependency Final Report
February 24, 2006

Below is the final status report of the NAESB Gas-Electric Interdependency Committee (GEIC) and is supplemental to the June 27, 2005 report submitted to the Federal Energy Regulatory Commission (“Commission” or “FERC”) in Docket No. RM05-28-000.

BACKGROUND¹

In a December 2004 letter from Chairman Wood to Michael Desselle², the chairman noted that the January 2004 cold snap in New England highlighted the need for better coordination between the natural gas pipelines and the electric grid, including Regional Transmission Organizations (RTOs)/Independent System Operators (ISOs) and gas-fired power generators. He noted that he was pleased to see the efforts underway by NAESB to develop business practices in both industries that would alleviate the coordination problem and be in place for the next winter season.

On June 27, 2005 a report was submitted to the Commission which included communication standards between natural gas transmission service providers and power generators and will be included in the next published version of both the Wholesale Electric Quadrant (WEQ) and Wholesale Gas Quadrant (WGQ) standards (version 1 and version 1.8, respectively). Prior to publication, they are available as final actions from the NAESB web site³ related to the request from which they originated – R04021.⁴ Also in the report, the NAESB Gas-Electric Interdependency

¹ While the GEIC effort began in late 2004, a related and precursor NAESB effort began in 2003 with the creation of the NAESB Gas-Electric Coordination Task Force. This group prepared both an interim and final reports which were filed with the Commission on April 16, 2004 and November 30, 2004, respectively. Both reports included a discussion point list as their key deliverable, but also included several presentations. The point list and presentation materials were used as reference materials by the GEIC in its work. The two reports can be accessed from the NAESB web site at: http://www.naesb.org/doc_view2.asp?doc=ferc041604.pdf and http://www.naesb.org/doc_view2.asp?doc=ferc113004.pdf.

² The Chairman’s letter can be accessed from the NAESB web site at <http://www.naesb.org/protected/ferc121404.pdf>.

³ The final actions after ratification for request no. R04021 may be accessed from the NAESB web site at http://www.naesb.org/weq/weq_Final.asp and http://www.naesb.org/WGQ/wgq_Final.asp.

⁴ NAESB standards can be accessed in a number of ways. The standards are available for download in the protected area of the NAESB web site free of charge or can be purchased in electronic format from the NAESB Office. Access to the protected area of the NAESB web site is free to all current NAESB members as a benefit of NAESB membership, and non-members can register for home page access for \$3500 per year. The Commission has previously recognized that, “[I]t is common practice for standards organizations to charge for copies of their standards in order to defray the publishing costs as well as some of the administrative, legal, and other costs of

NAESB Gas and Electric Interdependency Report February 24, 2006

Committee of the Board of Directors (“GEIC”) identified thirteen issues and categorized them as (1) indicating policy direction and decisions from federal, state or provincial regulatory agencies or other groups, including issues between contractual parties, (2) appropriate for review for NAESB standards development, (3) appropriate to be forwarded to NERC for consideration for reliability standards development, (4) appropriate for review as regional issues, and (5) a national infrastructure concern (Attachment A of this report). For the majority of the issues identified there was more than one category assigned.

The conclusions reached on the issues identified pointed to the crucial need for extraordinary coordination among regulators, NERC, NAESB and industry participants of both the natural gas and electric wholesale markets. As the issues list demonstrated, many of the items required the attention of more than one of the groups, and that resolution of many of the items will be based on decisions neither made nor taken by NAESB. Specific to NAESB, before NAESB can move further in developing business practice standards to address the coordination of the two industries, policy direction and industry willingness for change is required – otherwise, NAESB may be in the position of developing business practices and striving to achieve industry consensus for standards that the industry is not convinced are needed. For the two outstanding requests R04016 (Energy Day assigned to both the wholesale gas and wholesale electric quadrants) and R04020 (Electric Market Timelines assigned to the wholesale electric quadrant); the requests have already been assigned to NAESB for action both by the NAESB Executive Committee and by the Joint Interface Committee. The requests have not been addressed at this time –through actions taken by the Board of Directors on June 22.

On June 22, 2005, the Board recognized that requests R04016 and R04020 were symptoms of many of the issues identified, and as such, charged the GEIC with the preparation of a standards development request that reflected the intent of both of these requests and included other aspects of gas-electric interdependency that were evident in the issues lists (such as issues #5, #10 and #12) and targeted for business practices development. The request, once developed, would be reviewed by the Board for inclusion in the NAESB Annual Plan, and would be processed through NAESB’s normal process for standards. An important direction from the Board in its instructions to the GEIC was that the members of the GEIC should ascertain a level of industry support for such actions anticipated by the request before standards development request is submitted. In summary, the committee members should not recommend actions in a standards request that they did not anticipate would garner sufficient industry support.

PROCESS USED BY THE NAESB GAS-ELECTRIC INTERDEPENDENCY COMMITTEE

The GEIC met seven times (August 16, September 8, October 6, October 24 and December 5, 2005 and January 11 and February 3, 2006) following the June 22 Board of Directors meeting. The meetings were open and posted on the NAESB web site for all interested parties. Observers were welcomed, and did attend the meetings. Notes were taken for all meetings and posted on the web site along with agendas and work papers⁵. The board committee is considered a named committee of NAESB – the members are named by the Chairman of the Board of Directors and are either board members, members of the NAESB Advisory Council, or specifically requested to join because of their knowledge of the markets. The work products of the committee were prepared by the committee members with staff administrative support and forwarded to the Board of Directors for review and approval. The GEIC is chaired by Jim Templeton, a NAESB Board member and former chairman of the organization.

developing the standards.” In addition to the standards themselves, all agendas, working papers, and subcommittee meeting minutes are publicly accessible on the NAESB web site free of charge.

⁵ The notes of the GEIC meetings can be found in Appendix A and are located on the NAESB web site at the following page: http://www.naesb.org/gas_electric_interdependency.asp.

**NAESB Gas and Electric Interdependency Report
February 24, 2006**

CONCLUSIONS REACHED BY THE NAESB GAS-ELECTRIC INTERDEPENDENCY COMMITTEE

In discussions of possible standards development efforts, six potential activities were identified where existing standards should be reexamined to determine whether updates or new business practices could be written to further improve the interaction between the gas and electric industries. The six activities are an outgrowth of the analysis of 13 issues described in the June 27 report to the FERC on gas-electric interdependency⁶, most of which require policy direction if they are to be undertaken. As a link to the issues identified on June 27 (Attachment A), the six activities identified in this report are the items where the GEIC has determined that standards development by NAESB might be explored. Similarly, these six activities identified have policy implications. During the identification of the potential development activities, general concerns were voiced by committee members on the interaction of the wholesale gas and electric quadrants and the commitment of both groups to come equally to the table with solutions. The status of the two outstanding requests (R04016 and R04020) was also discussed.

Additionally, during discussions of these possible efforts, concerns were identified that may pose roadblocks in garnering sufficient industry support to proceed. Modification by the gas industry of established processes and practices to address problems that affect both industries will not necessarily improve the gas/electric interface unless the electric industry also works to address the electric problems. If modifications are made, they should be made in both the gas and electric industries to ensure both are working to improve gas/electric coordination.

The six efforts identified that could be included in a standards development request were:

1. Consistent with the 2/27/04 Order in Docket No. RP04-151-000⁷ and the Policy Statement in Docket No. PL02-6 issued on 1/19/06, consider the development of standards to support Capacity Release pricing on an index⁸ for those pipelines that have the FERC authority to enter into negotiated rates and discount capacity on an index basis. The concerns raised included:
 - Removal of the pricing cap to make it more attractive for firm gas transportation holders to release the capacity to others was raised during the discussion, but it would require regulatory policy changes and is specifically not anticipated as part of this item.
2. Review the possibility of adding an additional intraday nomination cycle with bumping rights to provide more flexibility to shippers, including power generators, with firm transportation rights such that they can nominate for natural gas supporting their market clearing times.⁹ Current problems exist within the day-ahead and real-time power markets for nominations (See the graphical depiction of the electric timelines to the gas nomination timelines as Attachment B). Tennessee Valley Authority and others have noted that this problem may have been exacerbated by some pipelines' decisions to move to hourly and daily balancing; but others have remarked that the GEIC has not reached this conclusion. Technological advances make additional nomination cycles and

⁶ NAESB prepared and submitted a report on June 27, 2005, in Docket No. RM05-28-000, "Standards for the Coordination of Business Practices Between Public Utilities and Interstate Natural Gas Pipelines," which included 10 communication standards between transporters of natural gas and power generation facilities as well as 13 coordination issues identified, most of which had policy implications.

⁷ The referenced order can be accessed from the FERC web site (elibrary function from <http://www.ferc.gov>, or <http://elibrary.ferc.gov/idmws/nvcommon/NVViewer.asp?Doc=10074967:0>)

⁸ A work paper was independently provided by National Fuel Gas Distribution, and is attached (Attachment C).

⁹ "Firm shippers are paying reservation charges for priority rights and those rights should include the right to have a nomination become effective as early as possible on the gas day following the nomination. Interruptible shippers...should not be able to prevent firm shippers from having their nominations take effect at the earliest possible time." FERC Docket No. RM96-1-007, Order No. 587-G, (April 16, 1998). See also FERC Docket No. RM96-1 and FERC Docket No. RM96-1 Order Nos. 587-F, 636, and 637.

**NAESB Gas and Electric Interdependency Report
February 24, 2006**

changing the last "no bump" cycle to later in the day potential feasible solutions. As with #4 below, consensus has not been reachable when determining the need and amount of change required by each of the two industries to develop workable solutions. The concerns raised were:

- Adding an additional cycle may have impacts on the timing of the existing nomination cycles.
 - The timing of the various nomination cycles may have different impacts on different parties and/or other NAESB standards, which must be considered before any changes are made.
 - Additional Wholesale Electric Quadrant standards may be needed to take advantage of a revised gas nomination cycle.
 - The proposed business practices may be more acceptable to the gas industry if developed in conjunction with Item 4 below.
3. Consistent with the 11/22/05 Order in Docket Nos. RP06-69-000 and RP06-70-000¹⁰, review the ability of pipelines to shift gas for primary firm transportation within a pipeline path without having to re-offer as secondary firm transportation service. The concerns raised were:
- Current no bump rules limit firm customers' ability to divert gas to another market mid-day without reallocation. If pipelines could be operationally indifferent, then they could switch deliveries without facing the equity issues that arise for those customers who were not originally scheduled because they did not contract for firm transportation, but delivery is switched from firm transportation customers to customers who also did not contract for firm transportation. However, this may conflict with current tariff and policy equity issues. Any business practices created must be non-discriminatory.
 - If it is determined that this function is appropriate, policy changes may be required.

Explanation of a possible implementation:

Customers who have scheduled their primary firm capacity through a point of restriction may not divert their nomination after the timely nomination deadline to a new delivery point, even if the path of the gas through the restriction does not change, just the delivery or receipt point. A customer, who wishes to change a delivery from his storage point to his city gate, risks losing his transportation priority because the pipeline is obligated to treat any change in a nomination as a new nomination requiring rescheduling with other new intra-day nominations. Revised nominations could be allowed on the same contract when (1) the intra-day nomination has the same scheduling priority that is being scheduled and could be allowed to flow on the same Gas Day as the intra-day nomination through a posted point of restriction, even if subject to a partial restriction, and (2) the nomination does not result in a net increase in the total volume scheduled under the contract though the posted point of restriction. These conditions would ensure that scheduled service for other customers through a restriction is not affected by the intra-day nomination.

Example 1: The customer has 100 dekatherms scheduled to flow from a primary receipt point through the posted point of restriction to a primary delivery point. Under the same contract, the customer then requests a nomination change to move 50 of the 100 dekatherms to a secondary delivery point that is outside its Transportation Path but still through the posted point of restriction. Under the enhanced nomination procedures proposed herein, this nomination change would be allowed because the intra-day nomination (i) has a scheduling sequence priority that is being scheduled and allowed to flow, and (ii) would not change the total quantity of gas scheduled to flow through the posted point of restriction under the same contract.

¹⁰ The referenced orders can be accessed from the FERC web site (elibrary function from <http://www.ferc.gov>, or <http://elibrary.ferc.gov/idmws/nvcommon/NVViewer.asp?Doc=10887607:0> (RP06-69) and <http://elibrary.ferc.gov/idmws/nvcommon/NVViewer.asp?Doc=10887606:0> (RP06-70)).

**NAESB Gas and Electric Interdependency Report
February 24, 2006**

Example 2: The customer has 100 dekatherms scheduled to flow from a primary receipt point to a primary delivery point. Unlike Example 1, however, the customer's scheduled nomination of 100 dekatherms does not flow through the posted point of restriction. Instead, the customer's existing scheduled nomination has a path that is entirely upstream of the posted point of restriction. Under the same contract, the customer then requests a nomination change to move 50 of the 100 dekatherms to a secondary delivery point that is further downstream and outside its Transportation Path, resulting in a path through the posted point of restriction. Under the enhanced nomination procedures proposed herein, this nomination would not be allowed because it would result in an increase in the total quantity scheduled to flow through the posted point of restriction under that contract.

4. Review and modify the requirements for organized electric markets so that the markets clear in sufficient time to nominate within the existing gas nomination timelines (Attachment B provides a graphical representation of the differences in the gas and electric market timelines). Current timely gas nomination cycles occur long before the time when most organized electric markets clear their timelines and commit for the day ahead market. This disconnect leaves some generators two main options of either a) purchase and nominate gas transportation on a timely basis and risk not having their bid subsequently clear the power market or, b) wait to see if their bid clears the power market and risk relying upon the intraday gas transportation nominations without the level of assurances offered in the timely cycle for firm gas transportation services. Non-organized electric markets add another layer of timelines. As with #2 above, another debated point was the need and amount of change required by each of the two industries in coming to workable solutions. The concerns raised were:
 - It may be difficult for organized markets to be in compliance with this proposed business practice given the existing nomination timelines; the proposed business practices may be more acceptable to the electric industry if developed in conjunction with Item 2 above.
 - It will be necessary to gain consensus in the electric industry to standardize the electric timelines, each of which have been developed regionally. In the alternative, the electric industry can create business practices that support market clearing within the gas nomination cycles.
 - The ISOs and RTOs will need to make modifications to each of their separate processes to support NAESB business practices that require the electric markets to clear prior to the timely gas nomination timelines.
5. Require generators that offer into the day ahead market to have the appropriate commercial arrangements to fulfill the needed obligations. The concerns raised were:
 - Being too prescriptive as to how the obligations are met interferes with the risk management strategies of market participants.
 - To the extent this proposal needs to address reliability aspects of this issue, those concerns will be directed to NERC.
 - The issue of firm transportation as it relates to resource adequacy is being addressed as part of the proposed NERC Resource Adequacy Standard currently under development.
6. Develop the appropriate supporting definitions for new business practices for the Wholesale Electric Quadrant, including but not limited to definitions for: alternate fuel capability, usable alternate fuel capability, firm transportation service, firm sales service, firm supply, and "must run" generator. The concerns raised were:
 - In previous attempts, the Wholesale Electric Quadrant was unable to reach consensus on definitions of similar terms.
 - Although these definitions will apply to Wholesale Electric Quadrant, the definitions should be developed with the appropriate input from the Wholesale Gas Quadrant to ensure consistency with gas products.

**NAESB Gas and Electric Interdependency Report
February 24, 2006**

As noted in the prior report of June 27, to accomplish the above standards development efforts will demand extraordinary coordination of the industry participants of both the natural gas and electric wholesale markets. Items 1-3 (all gas related) have previously cited policies or statements in individual pipeline tariffs that may support the standards development but may benefit from direction provided by the FERC to support the much needed consensus building. Items 4-6 do not have specific policies in place today, and would require direction from FERC if consensus within the two industries would be achievable.

As general comments to the above six efforts, for all efforts that were focused on wholesale gas efforts (items 1, 2 and 3), a general comment was made that the wholesale electric quadrant should come to the table with a willingness to also make changes to their process. It is the opinion of the committee members that the organized electric markets, such as the ISOs and RTOs and their stakeholder groups, may not be interested in working within NAESB to create the needed business practices. It is anticipated that their approach would be regional solutions developed individually. Along these lines, the electric market participants of the GEIC have not identified any sponsors for the efforts directed at the wholesale electric market (items 4, 5 and 6), and a broader outreach to Edison Electric Institute and other WEQ NAESB members is in order.

As noted, items 4- 6 require more effort from within the electric industry, including RTOs/ISOs. It is NAESB's role to develop commercial business practice standards, it is NERC's role, or the soon to be created Electric Reliability Organization (ERO), to develop reliability standards, and it is the ISO/RTO Council's role to operate electric transmission systems and administer markets consistent with the standards developed by NERC and NAESB. There is a sufficiently high degree of commercial, markets and reliability interdependence associated with items 4-6 such that the electric industry participants should work together to ensure as seamless a market structure as possible.

References in items 4-6 to NERC and the ISOs/RTOs is not intended to signal any abdication of NAESB's role or responsibility in these areas. Conversely, to ignore the need for the electric industry to address needed change will leave a "one-sided" GEIC report that offers only gas-related solutions. Therefore, it is important to ensure that this report is not perceived as "one-sided" offering gas related solutions without charging NAESB to find compatible solutions on both sides. As such, this report acknowledges the need for change on both the gas and the electric side, the respective role of each organization and the need to find a joint/collaborative solution where one impacts the other. These issues have been before the electric industry for quite some time. NERC identified interdependency issues years ago but no standards have yet resulted from their efforts. While participants in the electric industry (NERC, NAESB and the ISOs and RTOs) have collaboratively developed gas-electric communications standards as a first step, further collaboration on the more difficult issues has not occurred, despite NAESB's efforts to facilitate such a process, and it will require the Commission to provide guidance to the industry in the form of Commission rulemakings or orders benefiting the industry by streamlining the joint interface process¹¹ for assigning work.

For the two outstanding requests R04016 (Energy Day assigned to both the wholesale gas and wholesale electric quadrants) and R04020 (Electric Market Timelines assigned to the wholesale electric quadrant); the requests have already been assigned to NAESB for action both by the NAESB Executive Committees and by the Joint Interface Committee. At the Board meeting on June 22, the Board instructed the Executive Committees to not proceed with these requests even though they had been submitted, approved as within NAESB's scope, assigned to the appropriate quadrants and had also been approved by the Joint Interface Committee. The Board recognized that requests R04016 and R04020 were symptoms of many of the issues identified, and as such, delayed action on the requests. The two outstanding requests would be reconsidered by the Board for development after the GEIC had completed its analysis and prepared new standards development requests. It was anticipated that the new standards

¹¹ The joint interface process for assigning work to NERC or NAESB based on whether the development activity is predominantly of a commercial nature (NAESB) or reliability nature (NERC) is outlined in the Memorandum of Understanding between NERC, NAESB and the ISO-RTO Council, signed May 15, 2003, and can be accessed from the NAESB web site: http://www.naesb.org/pdf/memorandum_of_understanding.pdf.

**NAESB Gas and Electric Interdependency Report
February 24, 2006**

requests would supersede and replace them. The submitters of the requests have agreed to withdraw them once the final report and/or request(s) for standards development is completed¹².

NEXT STEPS

In considering the development of new requests that would address one or more of the six development efforts identified by the GEIC, the concerns identified the potential need for regulatory policies, as these efforts are controversial and the ability to achieve substantial industry consensus is not certain. Because of this concern, the committee did not prepare requests for standards development as directed by the Board of Directors in June. Instead, the committee highlighted the six areas that may be beneficial for standards development, if the industry supports such development. It is the committee's opinion that the lack of industry support poses sufficient roadblocks to development and regulatory policy guidance is needed before further efforts can be undertaken. Instead of requests, the committee prepared this report, which was endorsed by the Board of Directors notationally on February 17, 2006¹³, and is being forwarded to the FERC as a final update report on gas-electric interdependency issues. With the Board approval of this report as a final update, the submitters are in the process of withdrawing their requests R04016 and R04020¹⁴, as the roadblocks noted above apply equally well to the requests. The GEIC efforts are considered complete with the submittal of this final report as endorsed by the Board of Directors to the FERC.

¹² On February 23, 2006, the NAESB office received confirmation that the requests would be withdrawn.

¹³ The Board of Directors tally of votes to endorse the GEIC report can be found in Appendix B. The vote was unanimous in support.

¹⁴ [Request No. R04016](#) to develop a standard definition for Energy Day was submitted to NAESB on May 25, 2004 by KeySpan Utility Services and Duke Energy Gas Transmission and assigned jointly to the Wholesale Gas Quadrant and Wholesale Electric Quadrant for standards development. The Joint Interface Committee voted to support its assignment to NAESB on September 21, 2004.

[Request No. R04020](#) to establish business standards relating to electric transaction scheduling and timelines was submitted to NAESB on June 29, 2004 by Tennessee Valley Authority and assigned to the Wholesale Electric Quadrant for standards development. The NERC/NAESB Joint Interface Committee voted to support its assignment to NAESB on January 18, 2005.

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

TAB 5

UPDATES ON SPECIFIC STANDARDS DEVELOPMENT EFFORTS

This section includes background materials to support the updates to be given on specific standards development efforts: for

- Gas Quality (request R03035)
- Retail Invoicing (request R05016)
- Retail Contracts (request R05013)
- Status report on OASIS enhancements and complementary business practice standards for NERC reliability standards

The material presented is background information for the discussion of agenda item 3. No action is asked of the Board of Directors.

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

TO: Interested Industry Participants
FROM: BPS Chairs (Tina Burnett, Richard Smith, Kim Van Pelt, LDC Vacancy, Services Vacancy) and DeDe Kirby, NAESB Meeting/Project Manager
RE: WGQ Business Practices Subcommittee Final Minutes – January 12, 2006
DATE: January 31, 2006

**NORTH AMERICAN ENERGY STANDARDS BOARD
 WHOLESAL GAS QUADRANT
 BUSINESS PRACTICES SUBCOMMITTEE CONFERENCE CALL
 Thursday, January 12, 2006; 10:00 a.m. – 12:00 p.m. Central**

FINAL MINUTES

1. Administrative

Ms. Van Pelt called the meeting to order. Ms. Kirby gave the anti-trust advice and took the roll of participants. The draft agenda was reviewed and adopted by consensus. A work paper showing redlines of the 11/17/06 draft minutes by Ms. Chezar was reviewed (work paper posted at http://www.naesb.org/pdf2/wgq_bps011206w5.doc). Revisions were made to Ms. Chezar's edits, including a modification of the fourth sentence in the sixth paragraph under agenda item #2. The sentence was modified to state "as there are multiple acceptable sampling techniques that are identified". The 11/17/2005 revised draft minutes were adopted by consensus.

2. Review of the following Business Practices Requests:

Request R03035B submitted by Florida Power and Light

Request: Standardize methodologies for calculating gas quality parameters.

Ms. Van Pelt stated that three work papers were posted on suggested language for the draft standard. They are [Revised \(1/11/06\) Proposed Standard Submitted by D.Chezar, KeySpan; Work Paper Submitted by P.Love, Kinder Morgan; and Pipeline Work Paper - Proposed Gas Quality Standard Request R03035B](#).

Ms. Davis stated that the pipeline work paper incorporated the revisions made by Ms. Chezar to the draft standard. Ms. Davis explained that the word "procedures" was used in the first bullet to clarify that the procedure used to take a sample should be identified, and not the sample itself. Additional changes were suggested.

After discussion, the proposed standard was modified as follows:

4.3.z1 For the locations posted pursuant to NAESB WGQ Standard No. 4.3.90, the Transportation Service Provider (TSP) should provide on its Informational Postings Web Site a list that identifies the industry standard (or other methodology, as applicable) used by the TSP for the following:

- Procedures used for obtaining natural gas samples,
- Analytical test method(s),

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- Calculation method(s), in conjunction with any physical constant(s) and underlying assumption(s).

Ms. Chezar moved to approve the standard as indicated above and send the draft standard to the WGQ Information Requirements Subcommittee. Ms. Gussow seconded the motion. The motion passed a balanced vote with 21 votes in favor and 2 abstentions. *(Balanced voting chart is below and voting record is found in the attendance chart.)*

Vote 1

Wholesale Gas Quadrant Balanced Voting by Segment Tally

Segment	Votes Cast			Balanced Vote		
	YES	NO	TOTAL	YES	NO	TOTAL
End Users	4	0	4	2	0	2
LDCs	5	0	5	2	0	2
Pipeline	11	0	11	2	0	2
Producer	1	0	1	1	0	1
Services	0	0	0	0	0	0
Total	21	0	21	7	0	7

3. IR Memo to BPS re: R03026

Ms. Davis reviewed the memo to the BPS from the IR Subcommittee on the clarity of the BPS instructions to the IR regarding Request R03026. Ms. Davis, on behalf of the IR Subcommittee, requested that the BPS clarify whether the business practice was business conditional versus mutually agreed.

Ms. Davis made the following motion, seconded by Mr. Love.

Instruct the Information Requirements Subcommittee to accommodate the business conditional business practice of sending an indication in the Offer and Award related data sets of how the nominated quantities are to be processed in the event that the total of the releasing shipper and replacement shipper(s) submitted nominations exceed the original contract demand. This business practice does not address non-primary overlapping nominations between other replacement shippers.

The motion unanimously passed a balanced vote. *(Balanced voting chart is below and voting record is found in the attendance chart.)*

Vote 2

Wholesale Gas Quadrant Balanced Voting by Segment Tally

Segment	Votes Cast			Balanced Vote		
	YES	NO	TOTAL	YES	NO	TOTAL
End Users	4	0	4	2	0	2
LDCs	5	0	5	2	0	2
Pipeline	12	0	12	2	0	2
Producer	1	0	1	1	0	1
Services	0	0	0	0	0	0
Total	22	0	22	7	0	7

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4. Next Meeting(s) and Agenda

Ms. Van Pelt stated that the BPS would be addressing R04029, and those items triaged at the November WGQ Executive Committee meeting, at their next meeting. Tentative dates for a conference call were discussed for January 26th or 27th.

5. Attendance

Name	Organization	Vote 1	Vote 2
End Users:			
Tina Burnett	Boeing	Y ¹	Y
Valerie Crockett	Tennessee Valley Authority	Y	Y
Dona Gussow	Florida Power and Light	Y	Y
Diane McVicker	Salt River Project	Y	Y
Heather Stubblefield	Florida Power and Light	nv	nv
LDCs:			
Delores Chezar	KeySpan	Y	Y
Craig Colombo	Dominion Resources	Y	Y
Marjorie Perlman	Energy East Mgmt.	Y	Y
Barbara Salvador	National Fuel	Y	Y
George Simmons	NiSource, Inc.	Y	Y
Pipelines:			
Kathryn Burch	Duke Energy Gas Transmission	Y	Y
Christopher Burden	Williams Gas Pipeline	nv	nv
Chuck Cook	Shell Gas Transmission	Y	Y
Dale Davis	Williams Gas Pipeline	Y	Y
Bill Griffith	El Paso Natural Gas	Y	Y
Iris King	Dominion	Y	Y
Paul Love	NGPL	Y	Y
Ryan Renicke	Northern Natural Gas	nv	nv
Jesse Rogers	Trunkline Gas Company	Y	Y
Dale Sanders	Southern Star Central Gas	Y	Y
Micki Schmitz	Northern Natural Gas	Y	Y
Donna Scott	Transwestern Pipeline Co.	Y	Y
Lyle Stewart	Northern Natural Gas	nv	nv
Kim Van Pelt	Panhandle Eastern	Y	Y
Brian White	NiSource	A	Y
Producers:			
Randy Mills	ChevronTexaco	Y	
Richard Smith	Exxon Mobile Gas and Power	A	Y
Administrative:			
DeDe Kirby	NAESB		

¹ Please note that a "Y" indicates a yes vote, a "N" indicates a no vote, an "A" indicates an abstention, and a "nv" indicates not voting.

R03035

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.

North American Energy Standards Board

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or

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

Date of Request: December 11, 2003

1. Submitting Entity & Address:

Florida Power & Light Company
700 University Boulevard, EMT/JB
Juno Beach, FL 33058

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

Name : Dona Gussow
Title : Contracts Coordinator
Phone : 561-691-7886
Cell: 561-301-8598
Fax : 561-625-7567
E-mail : dgussow@fpl.com

3. Description of Proposed Standard or Enhancement:

Establish standards relating to gas quality specifications and measurement, as follows:

- A. Establish web-based reports for tracking all physical and chemical properties of natural gas defined in pipeline tariffs, including timelines for reporting.
- B. Develop a uniform process, including the underlying assumptions and methodologies, for determining gas quality specifications from measured data.
- C. 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.

**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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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):

Development of the gas quality specification standards would assist end users by providing a means to determine fuel quality (needed for optimizing operation of gas powered electric power generation equipment), facilitate emissions reporting to regulatory agencies, and facilitate electric power generation planning.

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

The proposed standards would make standardized gas quality information, including the derivation of gas quality specifications, available to the industry.

A multi-quadrant task force (assuming multi-quadrant assignment by the quadrant Executive Committees) can be formed to review the issues resulting from participating gas and electric representatives having a full understanding of the costs vs. the benefits of standardizing gas quality specifications.

Given the realities in the marketplace and positive impact these standards would have on electricity generation, Florida Power & Light Company anticipates being actively involved on these issues.

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

Cannot be ascertained at this time.

7. Description of Any Specific Legal or Other Considerations:

Cannot be ascertained at this time. However, standards produced could result in the need to modify pipeline tariffs.

**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
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8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

Not determined at this time.

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 comparison table of current gas quality specification calculations is attached.

R03035-Attachment

DRAFT COMPARISON OF PIPELINE NATURAL GAS QUALITY SPECIFICATIONS

[REVISED 12/15/03]

PIPELINE	HOW HV DETERMINED	HEAT VALUE (HV) [BTU/SCF]	WATER (H ₂ O) [lbs/million cf]	HYDROGEN SULFIDE (H ₂ S) [grains/100 cuft]	MERCAPTAN [grains/100 cuft]	TOTAL SULFUR (S) [grains/100 cuft]	OXYGEN (O) [% by volume]	NITROGEN (N) [% by volume]	CARBON DIOXIDE (CO ₂) [% by volume]
A	Industry Practice	≥960	≤7	<1	No Spec	≤20 NOTE 1.c	No Spec	No Spec	No Spec
B	Standard Instrument	967-1200	≤7	≤1/4 - Mainline ≤1 - SE & SW	No Spec	≤20 NOTE 1.b & 1.d	≤1	≤3	≤2
C	Not Defined	≥978	≤7	≤1	No Spec	≤20	≤1	4 less % by volume of CO ₂	≤3
D	AGA Rpt#5 -or- Other	967-1100	≤7	≤1/4	No Spec	≤20	≤.2 NOTE 2.a	≤4 + NOTE 2.a	≤3 + NOTE 2.a
E	Continuous Sampling AGA Rpts	≥967	≤7	≤0.25	≤0.75	≤5 Includes all forms of sulfur	≤.2 NOTE 2.b	NOTE 2.b	≤2 + NOTE 2.b
F	GPA Std 2172	≤1000	≤7	≤1/4	No Spec	≤10	≤1/4	NOTE 2.c	NOTE 2.c
G	Continuous Sampling -or- Other	No Spec	≤7	≤0.25	No Spec	≤20	≤.2	NOTE 2.c	2 + NOTE 2.c
H	Standard Methods	1000-1075	≤7	≤1/4	No Spec	≤10 NOTE 1.b & 1.d	≤.25	NOTE 2.c	NOTE 2.c
I	AGA Rpt#3	950-1175	≤7	16 PPM	No Spec	320 PPM	≤.2	≤3	≤3
J	Not Defined	≥950	≤4	≤1	No Spec	≤20	≤.2	4 less % by volume of CO ₂	≤3
K	Not Defined	≥950	≤7	≤1/4	≤1/4	≤1/2	10 PPM	≤3	≤2
L	Not Defined	≥950							

PIPELINE	HOW HV DETERMINED	HEAT VALUE (HV) [BTU/SCF]	WATER (H ₂ O) [lbs/million cf]	HYDROGEN SULFIDE (H ₂ S) [grains/100 cuft]	MERCAPTAN [grains/100 cuft]	TOTAL SULFUR (S) [grains/100 cuft]	OXYGEN (O) [% by volume]	NITROGEN (N) [% by volume]	CARBON DIOXIDE (CO ₂) [% by volume]
M	Standard Instrument	≥970	≤7	≤1/4	≤1/4	≤5	≤.2	NOTE 2.c	NOTE 2.c
N	Not Defined	≥950	≤7	≤10	No Spec	200 total	≤1	3 total (combined with CO ₂)	3 total (combined with N)
O	Not Defined	≥967	No Spec	≤0.25	No Spec	≤20	No Spec	No Spec	No Spec
P	Not Defined	≥967	≤7	≤.5 -or- 8PPM	No Spec	≤10	No Spec	4 less % by volume of CO ₂	≤3
Q	Not Defined	≥967	≤7	≤1/4	No Spec	≤20	No Spec	4 less % by volume of CO ₂	≤3
R	Not Defined	980-1100	≤7	≤.3	No Spec	≤20	No Spec	No Spec	No Spec
S	Not Defined	950-1100	≤7	≤1/4	1	≤5	≤.05	No Spec	≤2

NOTES:

1	<p>Total Sulfur Content Notes</p> <p>1.a Total Sulfur content not specified.</p> <p>1.b Total Sulfur includes mercaptan.</p> <p>1.c Total Sulfur excludes mercaptan.</p> <p>1.d Total Sulfur includes H₂S.</p> <p>1.e Total Sulfur excludes H₂S.</p>
2	<p>Nonhydrocarbon Gases Notes</p> <p>2.a Gas shall not contain more than 5% by volume of nonhydrocarbon gases including, but not limited to, carbon dioxide, nitrogen, oxygen.</p> <p>2.b Gas shall not contain more than 3% by volume of nonhydrocarbon gases including, but not limited to, carbon dioxide, nitrogen, oxygen, helium.</p> <p>2.c Gas shall not contain more than 3% by volume of carbon dioxide + nitrogen..</p>
3	
4	
5	

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

**Request for Initiation of a NAESB Business Practice Standard, Model Business Practice
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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.

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**Request for Initiation of a NAESB Standard for Electronic Business Transactions or
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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 JCPenny. 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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March 15, 2006

RE: Progress Report on NAESB WEQ Standards Activities as related to OASIS and NERC

Electronic Scheduling/Information Technology

- **January 30, 2006:** The WEQ ESS/ITS discussed the recommendation for Request No. R04006D (Resales and Transfers) that was remanded by the WEQ Executive Committee for further development of the proposed modification to Redirect Standard 9.8.1. The subcommittee considered several alternatives to modify the recommendation, but has not reached a consensus on which alternative will become the new proposal.
- **January 30, 2006:** The WEQ ESS/ITS also voted to forward Request No. R05020 (include a guideline for rounding schedules with partial mWhs in the coordinate interchange business practice WEQBPS-002-000) to the Coordinate Interchange Business Practices Task Force for development.
- **March 6-7, 2006:** The WEQ ESS/ITS met in Houston, Texas on March 6-7. The subcommittee modified the recommendation for Request No. R04006D (Resales and Transfers) as requested by the WEQ Executive Committee. The ESS/ITS voted to send the revised recommendation for R04006D to the Executive Committee for vote at the May 9, 2006 meeting.
- **March 6-7, 2006:** During this meeting, the ESS/ITS also voted to send the recommendation and final report for Request No. R04007 (Develop OASIS Phase II implementing NERC's functional model and other improvements) to the WEQ Executive Committee. The ESS/ITS recommended to the WEQ Executive Committee that no standards be developed to address Request No. R04007. The ESS/ITS also drafted a recommendation for Request No. R04006F (Naming Standardization). The recommendation states "With respect to OASIS naming standardization the ESS/ITS recommends that no additional business practice standards be developed. If specific naming standards are required by the industry, a new standards request should be submitted."
- **March 6-7, 2006:** The ESS/ITS also prioritized the development of model business practices for the items that have been assigned to the WEQ ESS/ITS: R04006C-1 (Develop OASIS 1A capacity release request standards); R04006E (Network Service Transactions); and R04036 (Amend definitions, terms and numbering of WEQ Order 2004 (affiliate) standards).
- **March 6-7, 2006:** At the request of the WEQ Business Practices Subcommittee, the ESS/ITS reviewed the Memorandum and Proposal drafted by the WEQ BPS on the modification to Standards of Conduct per FERC NOPR RM05-5. The ESS/ITS determined that changes to the WEQ Standards & Communications Protocols will be required once the BPS finalizes its recommendation for what items should be included on the standardized Standards of Conduct "button".
- **Planned, April 5-6, 2006:** The WEQ ESS/ITS will review the draft recommendations for R04006C-1 (Develop OASIS 1A capacity release request standards); and R04036 (Amend definitions, terms and numbering of WEQ Order 2004 (affiliate) standards).

OASIS Task Force

- The OASIS 1A Task Force contributes to the development of recommendations for requests to create new business practices for OASIS or to modify the ratified OASIS business practices as assigned by the WEQ ESS/ITS. All work products are forwarded to the WEQ ESS/ITS for further review.
- **Planned, 2006:** The OASIS Task Force will continue to develop recommendations as assigned by the WEQ ESS/ITS.

NERC/NAESB Joint Interchange Scheduling Working Group

- **January 25-26, 2006:** The JISWG reviewed and revised the SRD for the Registry and revised a comment questionnaire for the SRD. The group expects to post the SRD for comments at NERC following their next meeting.



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In addition, the group developed a plan for the development of Public Key Infrastructure (PKI) standards under Request R03007 (Enhance the current OASIS Standards and Communications Protocols (S&CP) to ensure compliance with the Energy Market Access and Reliability Certificates (e-MARC) Security Initiative, currently being developed by NERC.)

- **February 13, 2006:** The JISWG prepared the SRD for the Registry for a 90 day comment posting period at NERC. The JISWG also completed a request for standards development on Market Operator Adjusts and submitted it to the NAESB office. A complementary NERC Standards Authorization Request (SAR) will also be drafted.
- **February 27-28, 2006:** The JISWG reviewed comments submitted on draft e-Tag Specification 1.7096 and redlined the document accordingly. In addition, an update was given on the status of the development of the draft Public Key Infrastructure (PKI) standards.
- **March 9, 2006:** The JISWG completed responses to comments that were submitted on the draft Public Key Infrastructure (PKI) standards.
- **Planned, March 29-30, 2006:** The JISWG will review a draft NERC Standards Authorization Request for Market Operator adjusts. In addition, the JISWG will review, discuss, and continue development on the draft PKI standards.

Coordinate Interchange Business Practices Task Force

- **January 31, 2006:** The CIBP task force reviewed informal comments submitted on R05001 draft Coordinate Interchange Business Practice Standard. The group expects to continue this review at their next meeting, at which it is expected Recommendation R05001 will be voted out of subcommittee and to the WEQ Executive Committee (EC).
- **February 17, 2006:** The CIBP task force continued its review of informal comments submitted on R05001 Coordinate Interchange Business Practice Standard and voted Recommendation R05001 out of subcommittee. The recommendation will be submitted to the WEQ Executive Committee for its May meeting.
- **Planned, late April, 2006:** The CIBP task force will meet to review comments submitted to the WEQ Executive Committee (EC) on Recommendation R05001. They will prepare responses to be discussed at the May WEQ EC meeting.

Business Practices Subcommittee

- **February 7-9, 2006:** The Business Practices Subcommittee worked on the provision of affiliate disclosure on OASIS sites (Standards of Conduct) and submitted a draft standard to the ESS/ITS for their review and comment. In addition, the subcommittee began work on R06002 (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).
- **February 22, 2006:** The Business Practices Subcommittee continued work on the provision of affiliate disclosure on OASIS sites (Standards of Conduct). The BPS continued development of draft Recommendation R06002 and completed a draft recommendation for R05007 (Review the NAESB WEQ "Version 0" business practice standards and remove any references to ERCOT). In addition, the subcommittee posted the draft recommendation for R05007 for an informal comment period.
- **March 3, 2006:** The Business Practices Subcommittee completed a draft recommendation for R06002. They posted the document for a brief informal comment posting period on March 6th.
- **March 10, 2006:** The Business Practices Subcommittee reviewed informal comments submitted on draft Recommendation R05007 and draft Recommendation R06002. In addition, the group reviewed comments provided on the draft Recommendation WEQ 2006 Annual Plan Item (3)(c) (Develop business practices as needed for clarification of definitions and terminology in the Standards of Conduct) by the ESS/ITS.



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Standards Review Subcommittee

- February 9, 2006:** The SRS held a conference call to review the NAESB Requests that have been assigned to the WEQ by the Triage Subcommittee, but have not been reviewed by the JIC. The SRS will review these requests to determine if scoping documents are needed prior to review by the JIC. The requests on the agenda to determine if scoping documents should be drafted are: Request No. R05004 (revised) (Develop transmission service request and scheduling standards using TTC/ATC/AFC and CBM/TRM); Request No. R05019 (Modify OASIS standards and S&CP to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff); Request No. R05020 (Include a guideline for rounding schedules with partial mWhs in the coordinate interchange business practice WEQBPS-002-000); Request No. R05026 (Thirteen proposed enhancements to incrementally improve OASIS); and Request No. R06002 (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)).
- February 9, 2006:** The SRS reviewed NERC reliability standards in development to determine if complementary NAESB business practice standards are needed. During this call, the SRS plans to review the SARs currently posted for comment: SPP Regional Difference for IRO-006-1; Revision to EOP-004-0-Disturbance Reporting; Relay Loadability; and Fuel Supply or Delivery Disruption Reporting. The SRS will also review the NERC Ballots currently posted for vote and the January 2006 NERC Standards Development Bulletin. The SRS began a comparison of the NAESB WEQ 2006 Annual Plan with the NERC 2006 SAC Annual Plan.
- March 9, 2006:** The SRS met and reviewed current WEQ standards development requests to determine if scoping documents are needed prior to submittal of the requests to the Joint Interface Committee (JIC). In addition, the subcommittee continued their review of current NERC Standards Authorization Requests (SARs) to determine if complementary NAESB business practice standards are needed.

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

TAB 6

EXECUTIVE COMMITTEE REPORTS

This section includes:

- The 2006 Annual Plans for each of the quadrants
- Requests Received in 2006
- Standards adopted in 2006
- FERC filings made in 2006 and Related Activities

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.

North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WGQ Annual Plan – Approved by the Board of Directors 12-13-05

Recommended Revisions by the Wholesale Gas Quadrant Executive Committee, 2-24-06

	Item Description	Completion ¹	Assignment ²
Gas-Electric Activities			
1	Development of standards regarding an Energy Day (R04016) <u>Status: –Withdrawn by requestors on 2-28-06.</u>	Tabled Withd <u>rawn</u> 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). <u>Status: Pending Activities of the WEQ EC.</u>	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. <u>Status: Underway.</u>	2 nd Q, 2006	EC Officers
4	Review of minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual <u>Status: Not Started.</u>	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. <u>Status: Not Started.</u>	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) <u>Status: Underway.</u>	2 nd 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. <u>Status: Underway.</u>	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. <u>Status: Tabled on Board of Directors instructions.</u>	Tabled ⁴	Not assigned at this time.
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	Ongoing	ANSI X12

NAESB Wholesale Gas Quadrant 2006 Annual Plan
 Approved by the Board of Directors 12-13-05

Recommended Revisions by the Wholesale Gas Quadrant Executive Committee, 2-24-06

North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WGQ Annual Plan – Approved by the Board of Directors 12-13-05

Recommended Revisions by the Wholesale Gas Quadrant Executive Committee, 2-24-06

Item Description	Completion ¹	Assignment ²
needed and coordinate such activities with DISA.		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 [Docket No. RM05-28-000](#) (Gas-Electric Interdependency)

Respond to directives related to the conclusions of the NAESB reports submitted in [Docket No. RM05-28-000](#)

Review and develop a Canadian Supplement to the ISDA Gas Annex

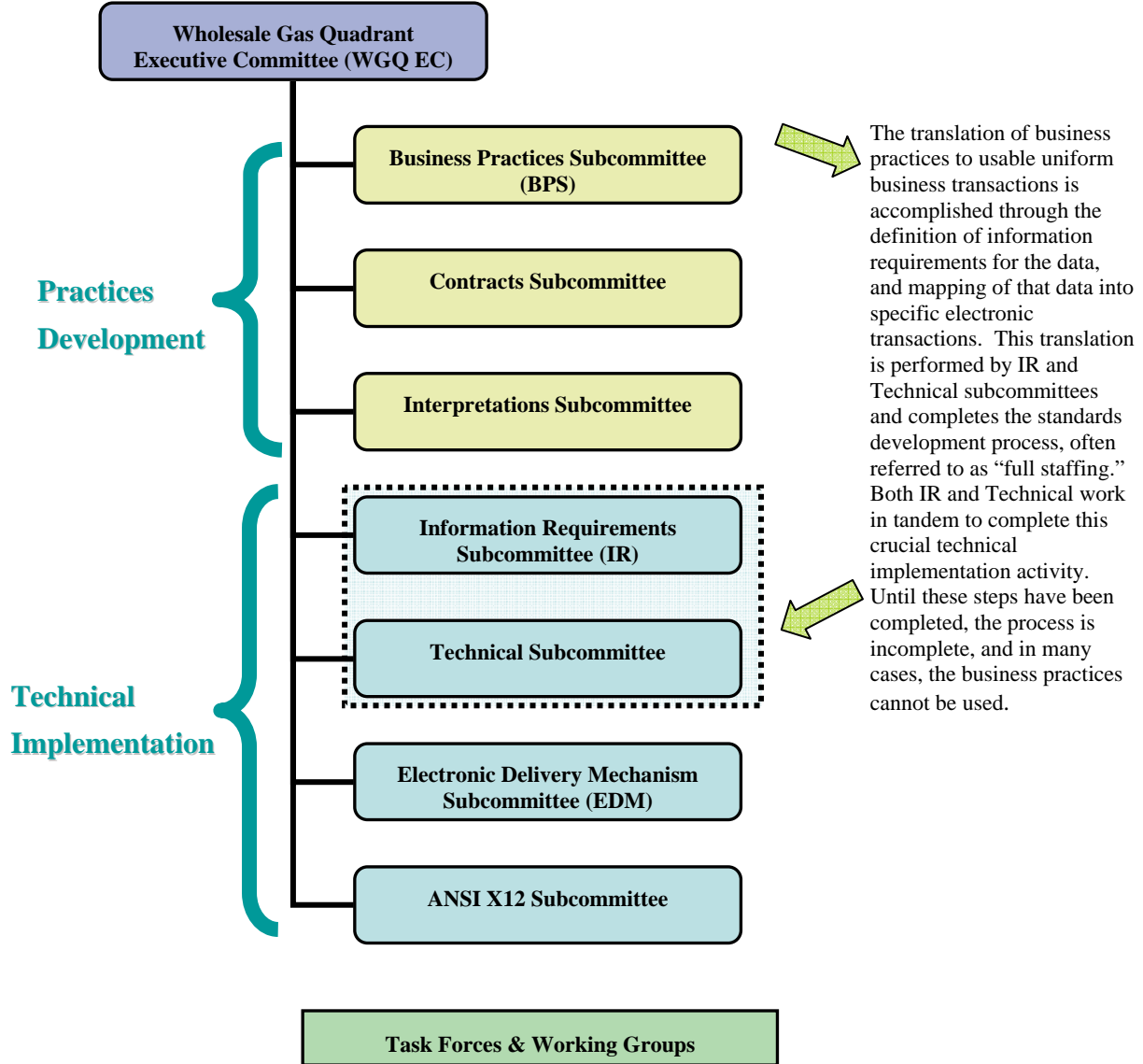
- Notes: (a) Priority is given to action items that are carry-overs from the 2005 Annual Plan.
 (b) Any new activity should be preceded by a request from the submitter after which the annual plan will be revisited.
 The provisional items would only be addressed after a request is submitted or an order 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 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. ~~Depending on the outcome of the board meeting on December 13, 2005~~ 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 ~~may be were~~ withdrawn by the submitters. ~~If those requests are withdrawn, then this item will be deleted from the plan and all annual plan items renumbered.~~

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.



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Approved by the Board of Directors – 12-13-05

Recommended Revisions by the Wholesale Electric Quadrant Executive Committee, 2-22-06

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.	Ongoing	BPS
i) Make changes to business practices as related to inclusion of functional model entities as NERC undertakes the same efforts	As requested	BPS
<u>Status: No requests</u>		
ii) Review the NAESB WEQ “Version 0” business practice standards and remove any references to ERCOT (R05007)	1 st Q, 2006	BPS
<u>Status: Underway</u>		
b) Develop business practices to support Coordinate Interchange – update already adopted version 1 to reflect version 1 NERC CI (R03013, R05001, R05020)	3rd Q, 2006	BPS
<u>Status: Underway</u>		
c) Develop business practice standards to support Operate Within Limits (R03017)	2006	BPS
<u>Status: Not Started</u>		
d) Develop business practices to support the reliability components of TLR		
i) Version 0 Split of TLR business practices from reliability components	1 st Q, 2006	BPS
<u>Status: Complete pending ratification and review for additional changes as NERC completes its split.</u>		
ii) Continuous support of TLR Procedure in alignment with NERC efforts including version 1 development	Ongoing	BPS
<u>Status: Underway</u>		
f) Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC).	2006	BPS
<u>Status: Not Started</u>		
g) Develop jointly with NERC a Joint NERC/NAESB Operating training manual.	2006	BPS
<u>Status: Not Started</u>		

2006 NAESB Wholesale Electric Quadrant Annual Plan

Approved by the Board of Directors 12-13-05

Recommended Revisions Made by the Wholesale Electric Quadrant, 2-22-06

Page 1 of 6



North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Approved by the Board of Directors – 12-13-05

Recommended Revisions by the Wholesale Electric Quadrant Executive Committee, 2-22-06

Item Description	Completion ¹	Assignment ²
2 Develop business practice standards for Version 1 to support ATC calculations		
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.	Pending	BPS
<u>Status: Not Started.</u>		
<i>Note: Awaiting revised clarified Request R05004 from NERC to develop transmission service request and scheduling standards using TTC/ATC/AFC and CBM/TRM.</i>		
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:		
i) Business Practices for the resale or reassignment of transmission service (R04006D) <u>Status: Underway</u>	1 st Q, 2006	ESS/ITS
ii) Implementation of "release" mechanism in the OASIS S&CP to complement non-firm redirects (R04006C1) <u>Status: Underway</u>	1 st Q, 2006	ESS/ITS
iii) Network Services: determine if business practice standards or other support is needed to support use of OASIS for Network Service transactions (R04006E). <u>Status: Not Started</u>	3 rd Q, 2006	JISWG
iv) Registry: determine if business practice standards are needed to support the registry functions currently supported by NERC (R04037). <u>Status: Underway</u>	2 nd Q, 2006	JISWG
v) Adoption/maintenance of ESC use cases (R04007) <u>Status: Underway</u>	1 st Q, 2006	ESS/ITS
vi) Adoption/maintenance of Functional Requirements Document (R04007)	1 st Q, 2006	ESS/ITS

2006 NAESB Wholesale Electric Quadrant Annual Plan

Approved by the Board of Directors 12-13-05

Recommended Revisions Made by the Wholesale Electric Quadrant, 2-22-06

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Approved by the Board of Directors – 12-13-05

Recommended Revisions by the Wholesale Electric Quadrant Executive Committee, 2-22-06

	Item Description	Completion ¹	Assignment ²
	<u>Status: Underway</u>		
vii)	e-Tag enhancements (including e-Tag specification changes) (R05018) <u>Status: Underway</u>	2 nd Q, 2006	ESS/ITS
viii)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (R05019) <u>Status: Not Started</u>	3 rd 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) <u>Status: Not Started</u>	TBD	Not Assigned
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. <u>Status: Not Started</u>	3 rd Q, 2006	ESS/ITS
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. <u>Status: Not Started</u>	4 th Q, 2006	EC Officers
iii)	PKI Initiative (e-MARC) (R03007) <u>Status: Underway</u>	1 st Q, 2006	JISWG
c)	Develop business practices as needed for clarification of definitions and terminology in the Standards of Conduct ³ <u>Status: Underway</u>	1 st 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. <u>Status: Not Started</u>	4 th Q, 2006	Not Assigned

PROVISIONAL ITEMS

1 Develop business practice standards as requested by the regional and state advisory groups.

2006 NAESB Wholesale Electric Quadrant Annual Plan

Approved by the Board of Directors 12-13-05

Recommended Revisions Made by the Wholesale Electric Quadrant, 2-22-06

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 WEQ Annual Plan

Approved by the Board of Directors – 12-13-05

Recommended Revisions by the Wholesale Electric Quadrant Executive Committee, 2-22-06

	Item Description	Completion ¹	Assignment ²
2	Using the NERC Interconnected Operations Services reference document (March 2002, version 1.1) 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 Notice of Inquiry, Docket No. RM05-25-000 , FERC Notice Requesting Comments, “Preventing Undue Discrimination and Preference in Transmission Services”, issued September 16, 2005.		
4	Evaluate the entries on the seams catalog , 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 seams catalog .		
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. AD05-17-000 , 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 filed by NAESB with the FERC on January 18, 2005 , in Docket No. RM05-5-000. The FERC Notice of Proposed Rulemaking, RM05-5-000 , “Standards for Business Practices and Communication Protocols for Public Utilities,” was issued May 9, 2005.		
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. 		

2006 NAESB Wholesale Electric Quadrant Annual Plan

Approved by the Board of Directors 12-13-05

Recommended Revisions Made by the Wholesale Electric Quadrant, 2-22-06

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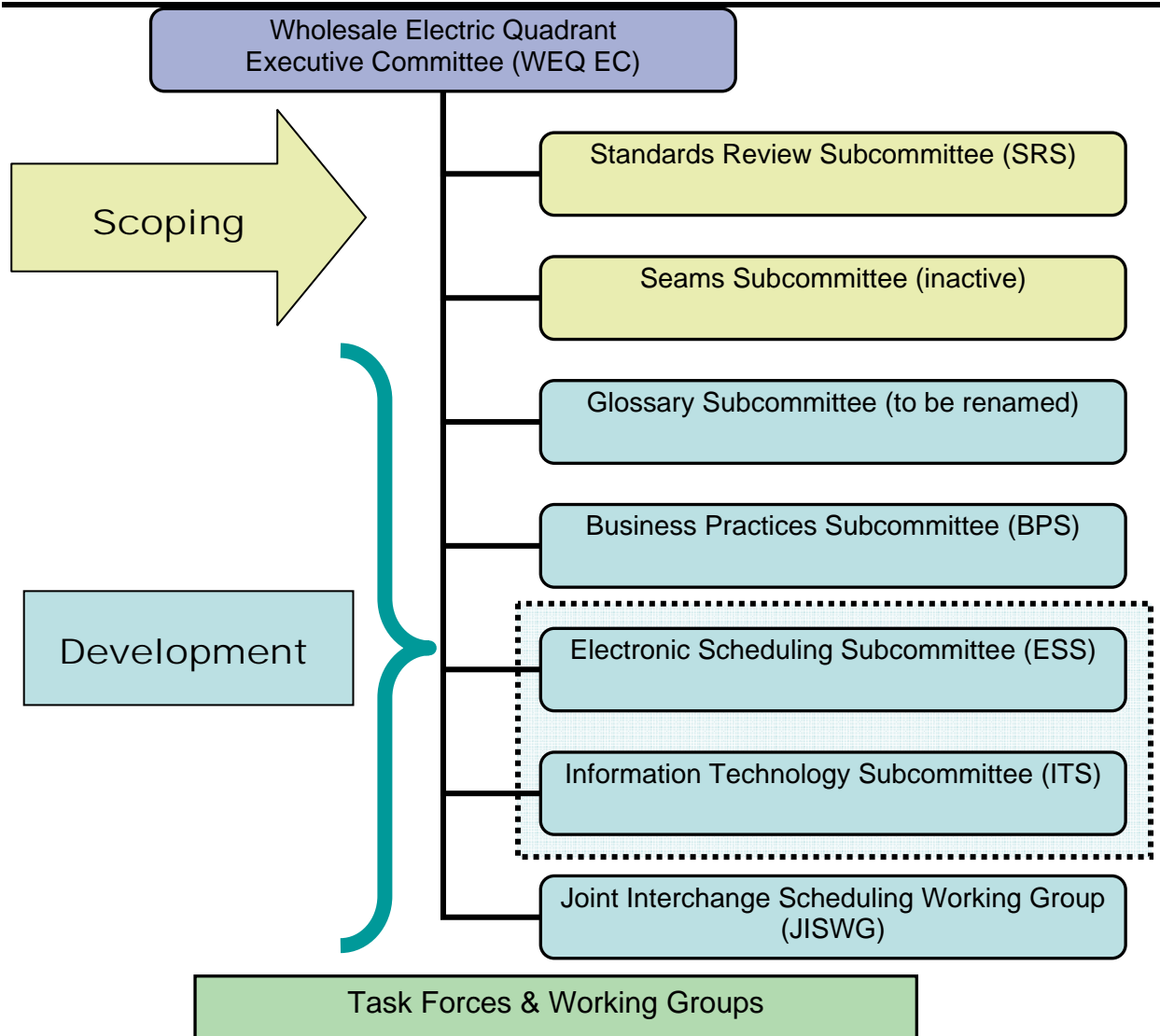


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NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: ~~Lou Oberski~~[Kathy York](#) (WEQ EC Chair) and ~~Lou Oberski~~[Tony Reed](#) (WEQ EC Vice Chair)

Standards Review Subcommittee: Raj Rana, Narinder Saini, Ollie Frazier

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 and Sherri Monteith

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

Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger

Glossary Subcommittee (to be renamed): Sherri Monteith



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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 changes to the Standards of Conduct requested by the Commission in NOPR Docket No. RM05-5-000 ~~will be made~~ are underway and should conclude shortly, as soon as possible.



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors 12-13-05,

Recommended Revisions by the Retail Quadrant Executive Committees on February 22, 2006

Item Number & Description	Completion ²	Assignment
1 Billing & Payment Data Dictionaries and Models		
a. Develop Technical Electronic Implementation Standards – Billing & Payments <u>Status: Underway</u>	1 st Qtr 2006	TEIS
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</u>	2 nd 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. <u>Status: Completed</u>	1 st Qtr. 2006	IR
b. Develop Technical Electronic Implementation Standards – Electronic Retail Billing <u>Status: Underway</u>	2 nd Qtr. 2006	TEIS
4 Customer Enrollment, Switching & Dropping <u>Drop and Account Maintenance</u>		
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</u>	3 rd Qtr. 2006	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</u>	4 th Qtr. 2006	IR
c. Develop Technical Electronic Implementation Standards – Customer Enrollment, Switching & Dropping. <u>Status: Not Started</u>	2007	TEIS



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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors 12-13-05₂

Recommended Revisions by the Retail Quadrant Executive Committees on February 22, 2006

Item Number & Description	Completion ²	Assignment
5 Customer Inquiries		
a. Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. <u>Status: Not Started</u>	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). <u>Status: Underway</u>	4 th Qtr. 2006	Contracts
7 Prepare a joint analysis with the WGQ for AS2 and AS3 protocols as compared to the NAESB IET. <u>Status: Not Started</u>	4 th Qtr. 2006	TEIS & WGQ EDM
8 Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. <u>Status: Not Started</u>	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. <u>Status: Underway</u>	2 nd 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
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

NAESB Retail Electric Quadrant and Retail Gas Quadrant 2006 Annual Plan

Approved by the Board of Directors 12-13-05

Recommended Revisions by the Retail Quadrant ECs, February 23, 2006



North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD

2006 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors 12-13-05,

Recommended Revisions by the Retail Quadrant Executive Committees on February 22, 2006

Item Number & Description	Completion ²	Assignment
Provisional Activities		
Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).		
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.		

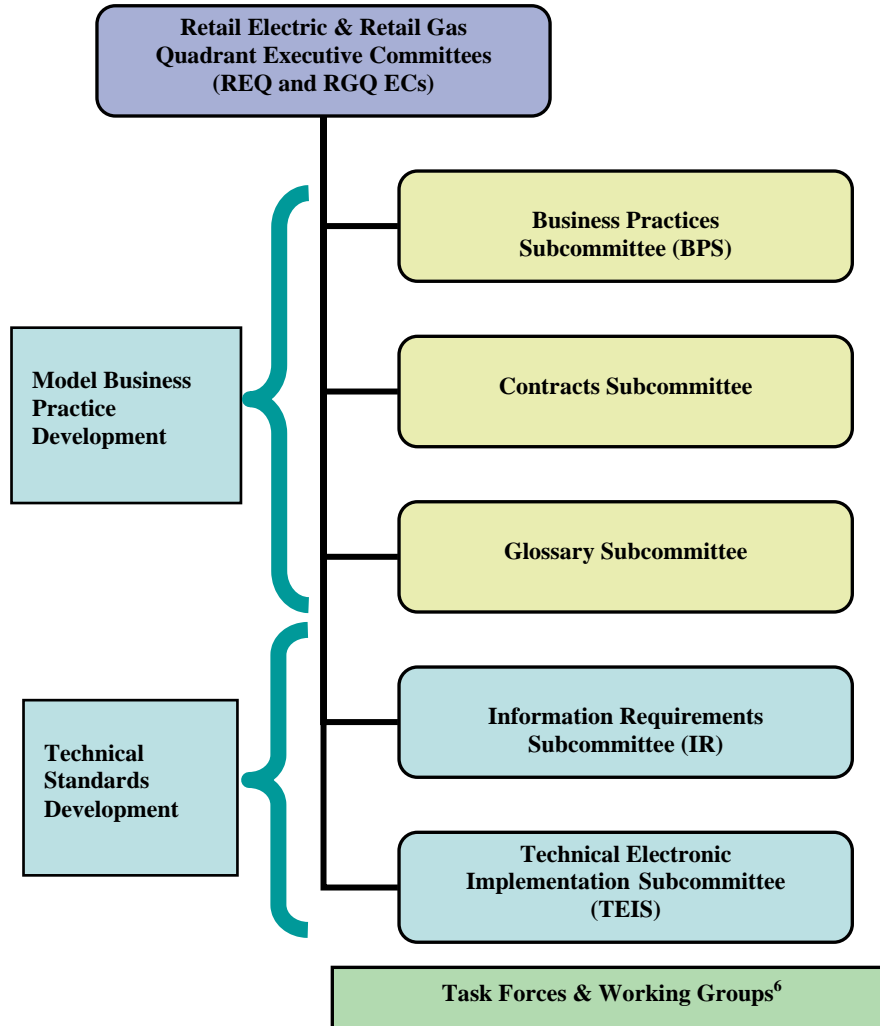


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NAESB RGQ EC and Subcommittee Leadership:

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 ~~Jim Minneman~~ 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.



North American Energy Standards Board

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March 3, 2006

TO: NAESB Board of Directors, Invited Guests, Speakers, Interested Parties
FROM: Rae McQuade, NAESB President and COO
RE: Requests Received to date for 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).

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.



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March 3, 2006

TO: NAESB Board of Directors, Invited Guests, Speakers, Interested Parties
FROM: Rae McQuade, NAESB President and COO
RE: Standards Adopted in 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.*)

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.*)



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March 3, 2006

TO: NAESB Board of Directors, Invited Guests, Speakers, Interested Parties
FROM: Rae McQuade, NAESB President and COO
RE: FERC Filings and Efforts with Government Agencies and Energy Groups

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.

FERC Filing Proposed Schedule

- NAESB has submitted two filings to the FERC to date in 2006.
- **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 2nd Quarter 2006**
 - (4) 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)
 - (5) 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)
 - (6) 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)
 - (7) WEQ: Release mechanisms on the S&CP (RM05-5-000)
 - (8) WGQ: Version 1.8 WGQ standards (publish date in July 31, 2006) (RM96 et al)
 - (9) WEQ: Possible Version 1 changes to the standards including Coordinate Interchange Business Practices, TLR and LTATF efforts (RM05-5-000). Item 8 may be done earlier or later than 2nd quarter 2006, depending on the progress of the WEQ EC.

Department of Energy & Sandia National Laboratories

- **January 11, 2006:** The Sandia National Laboratories (SNL) team and the NAESB team members discussed and commented on a natural gas sales transaction chart created by SNL to assist them in their review of the NAESB WGQ, REQ, and RGQ technical standards.



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- **January 24, 2006:** The SNL team and the NAESB team members discussed comments to the SNL draft report on the WGQ, REQ, and RGQ technical standards. NAESB team members will submit any comments on the draft report to be reviewed and discussed by the team on the February 7th conference call.
- **February 7, 2006:** The team members reviewed and discussed the SNL draft report on the NAESB WGQ, REQ, and RGQ technical standards. It is anticipated that after this meeting the SNL team will forward their report to the Department of Energy and NAESB.
- **March 8, 2006:** Sandia National Laboratories team leader David Duggan delivered the Phase 1 (WGQ, REQ, and RGQ technical standards) NAESB Report to the Department of Energy and to NAESB. The document was delivered to NAESB in “unlimited release” status. It is expected that Sandia National Laboratories will begin Phase 2 (review of the WEQ Public Key Infrastructure [PKI]) standards in early April 2006.

National Associations of Regulatory Utility Commissioners

- Update calls of one hour each month are held to brief commissioners and staff on NAESB activities. The monthly update schedule, agenda, work papers and notes can be accessed from the NAESB web site (http://www.naesb.org/monthly_update.asp). These conference calls are open to all interested parties and the materials for the calls can be accessed from the NAESB web site at the above address.
- **January 18, 2006:** On the January call, updates were provided on the following: the status of the GEIC Report, the WGQ Contracts Subcommittee’s effort to update the NAESB Base Contract, an update on the Retail Contracts Subcommittee’s work to draft a retail contract for the gas and electric markets, the January 12, 2006 meeting of the Joint Interface Committee, the Certification Program, the work of the Retail Information Requirements Subcommittee to draft the technical requirements for the Billing and Payment model business practices, and an update on the status of NAESB membership.
- **Planned, March 20, 2006:** The next Monthly Update Call is scheduled on March 20, 2006 at 2 PM Eastern. The sole topic of the meeting will be the Gas-Electric Interdependency report.

Energy Bar Association

- **April 2006:** Bill Boswell and Jim Cargas completed the drafting of the article to be published in the Energy Bar Journal’s April 2006 issue. It is entitled, “North American Energy Standards Board: Legal and Administrative Underpinnings of a Consensus Based Organization.”

Other

- **January 30, 2006:** Began discussions with Mr. Ryan Paul of Dun and Bradstreet regarding issues of usability of the DUNs Numbers for organization identifiers in the wholesale electric quadrants. Mr. Paul is not out of the corporate headquarters office in Allentown, he is out of the Washington DC office. The DUNs report was approved by the ECs on November 29 – December 1, and the Board of Directors on December 13. FERC staff has asked to be kept apprised of this effort as they have experienced difficulties in preparing EQR reports.
- **February 11, 2006:** The [NAESB Advisory Council](#) meeting was held in conjunction with the NARUC winter session. Discussions on how to use the GEIC report, how to increase retail participation and the coordination between NERC and NAESB were key topics of the meeting. Mr. Ellsworth was re-elected as chair of the group.
- **March 6, 2006:** Michael Desselle and Rae McQuade met with Commissioner Brownell and discussed the [GEIC report](#), the development of regional business practices, the need to enhance the OASIS standards per FERC Order No. 888, the ATC/TTC planned development, the joint development process between NERC and NAESB, and the participation by RTOs and ISOs in NAESB.



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Home Page: www.naesb.org

-
- **March 7, 2006:** Rae McQuade met with Jim Slutz and Christopher Freitas of the DoE to discuss the [GEIC report](#). The DoE is interested in developing a primer of the report – highlighting the six issues and the impacts of modifying policy – benefits and constraints.
 - **March 8, 2006:** Rae McQuade and Laura Kennedy met with several of the drafters of the [GEIC report](#) (Rick Smead, Jim Templeton, Richard Kruse, Valerie Crockett and Kathy York) and representatives of the National Regulatory Research Institute ([NRRI](#)) (Commissioner Keating, Ken Costello, Vivian Davis, Partha Chaudhuri) to provide an overview of the report for possible NRRI action. It is expected that NRRI will write a summary to be provided to state commissioners and will work with NARUC to put together a joint gas-electric panel to discuss these issues at the summer NARUC meeting.
 - **Planned, March 15, 2006:** Rae McQuade will address the EASEE group (the European counterpart to NAESB) and review the organization, our rules, how we develop standards and our relationships with regulatory agencies.
 - **Planned, May, 2006:** The first part of the report from Sandia National Laboratories and the Department of Energy should be forwarded to NAESB for review. It will address retail and WGQ use of electronic communications as a surety assessment profile. The second part of the assessment will be performed after the WEQ has concluded its efforts on PKI standards.

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

TAB 7

FINANCIAL REPORT

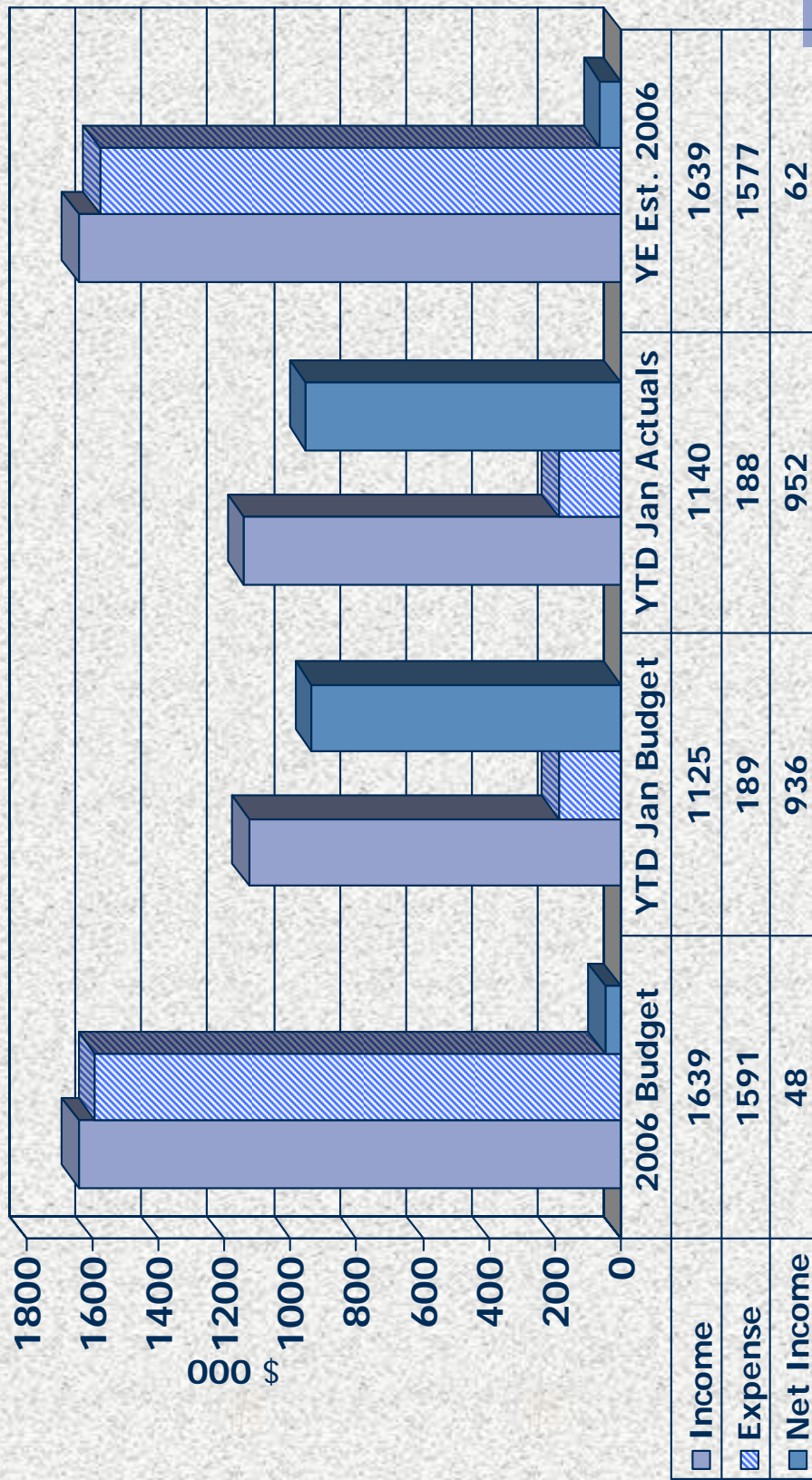
This section includes:

- Financial Reports YTD for 2006
- Membership Report and Statistics

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 Board of Directors Meeting – 3-23-06

As of January 2006 Accrual Based Income and Expenses



North American Energy Standards Board

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March 10, 2006

TO: NAESB Board of Directors
FROM: Rae McQuade, Darla Wishart
RE: NAESB Financial Report as of January 31, 2006 and Membership Report as of February 28, 2006

Key highlights of the budget, expenses, revenues and membership:

- **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:** The accounting for the month of February is underway and should be completed later in March. We expect to be overall under budget in expenses and we should track the revenue expectations for the first two months of the year.
- **February 28, 2006:** Membership in February is 319. Membership by quadrant is: 123 (WGQ), 29 (REQ), 27 (RGQ), 140 (WEQ). Year to date, we have had 3 new memberships (2 – WEQ, 1 - REQ) and 3 member resignations (2 – WEQ, 1 – RGQ).
- **February 28, 2006:** In February we saw one new member join: SUEZ Energy Marketing NA, Inc. – (Ken Lackey and Cesar Seymour – Wholesale Electric Quadrant, Marketers/Brokers Segment, Not IOU Affiliated Sub-segment). We had one member resignation: The Boeing Company – (Steve LaFond – Wholesale Electric Quadrant, End User Segment, Large Industrial Sub-segment).

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Financial Report January 2006 – Accrual Based

Balance Sheet

Assets	
Current Assets	\$453,183.41
Accounts Receivable	\$124,500.00
Fixed Assets	\$22,104.91
Other Assets	\$10,277.94
Total Assets	<u>\$610,066.26</u>
Liability & Equity	
Deferred Revenue	\$10,041.69
Accounts Payable	\$19,971.08
Retained Earnings	(\$371,826.45)
Net Income	\$951,879.94
Total Liability and Equity	<u>\$610,066.26</u>

Income and Expense

Income	\$1,139,551.89
Expense	\$187,671.95
Net Income	<u>\$951,879.94</u>

Income and Expenses to Budget - YTD

2006 YTD Budget for Income	\$1,125,066.63
Income Variance	\$14,485.26
2006 YTD Budget for Expenses	\$188,754.24
Expenses Variance	(\$1,082.29)
Net Income Variance	\$15,567.55

Year End Analysis

2006 Budget	\$1,639,100.00
Revenue YTD	\$1,139,551.89
Expected Revenue February - December	\$500,000.00
Estimated Year End Revenue	\$1,639,551.89
Expenses YTD	\$187,671.95
Expected Expenses February - December	\$1,540,000.00
Estimated Year End Expenses	\$1,577,411.50
Difference - Revenue - Expenses	\$62,140.39

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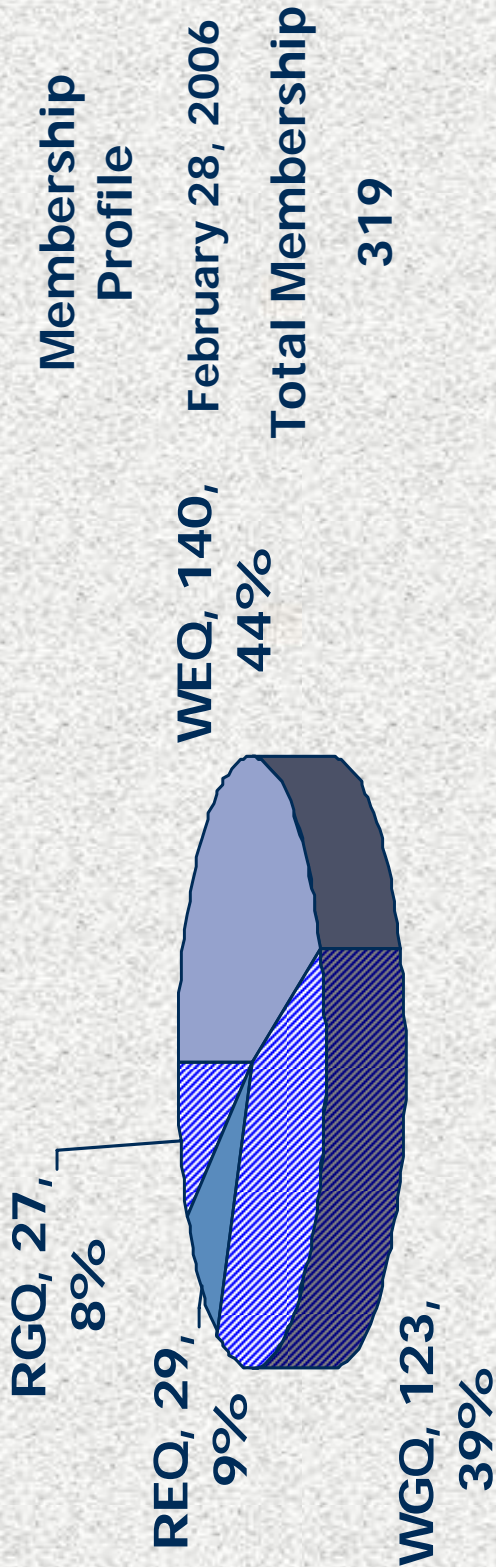
CASH BASIS ANALYSIS

Beginning Balance 1-1-06	\$521,905
Total Cash Income	\$137,469
Total Costs	\$216,055
Ending Balance	\$443,319

ACCOUNTS RECEIVABLE ANALYSIS

Accounts Receivable as of January 2006	\$124,500
Items 90 Days or more Outstanding	\$20,000
Items 60 Days Outstanding	\$55,000
Items 30 Days Outstanding	\$35,000
Items Less than 30 Days Outstanding	\$9,500
Items for which credit memos have been issued	\$5,000

North American Energy Standards Board 2/28/06



Quadrant Statistics	WEQ	WGO	REQ	RGQ	Total
Membership YE 2005	140	123	28	28	319
Net Change	0	0	+1	-1	0
Change in Quadrant	0	0	0	0	0
Membership YTD	140	123	29	27	319

North American Energy Standards Board Membership List
As of February 28, 2006

NAESB Membership Statistics – Changes by Quadrant for 2006 as of February 28, 2006

NAESB Membership Report - Quadrant/Segment Membership Analysis		Number of Members
WGQ Segments	Total	123
	End Users	18
	Distributors	24
	Pipelines	40
	Producers	14
	Services	27
REQ Segments	TOTAL	29
	End Users	5
	Distributors	14
	Services	5
	Suppliers	5
RGQ Segments	TOTAL	27
	End Users	3
	Distributors	12
	Services	6
	Suppliers	6
WEQ Segments	TOTAL	140
	End Users	12
	Distributors	23
	Transmission	44
	Generation	31
	Marketers	26
	None Specified	4

North American Energy Standards Board Membership List
As of February 28, 2006

WEQ	New Members:	2
	<i>South Carolina Electric & Gas Company, SUEZ Energy Marketing NA, Inc.</i>	
	Member Resignations:	2
	<i>DTE Energy, The Boeing Company</i>	
WGQ	New Members:	0
	Member Resignations:	0
REQ	New Members:	1
	<i>TXU Electric Delivery</i>	
	Member Resignations:	0
RGQ	New Members:	0
	Member Resignations:	1
	<i>R.J. Rudden Associates, Inc.</i>	
TOTAL	New Members	3
	Member Resignations:	3

North American Energy Standards Board Membership List
As of February 28, 2006

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	
	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	Savannah Electric and Power Company	d	Osman Bholat	
	24	Southern Company Services	s	Mark S. Jarrett, Yvette Camp	
	25	Structure Group	s	Stacey Wood	
	26	TXU Electric Delivery	d	Tommy Weathersbee, Debbie McKeever	
	27	TXU Energy Retail	su	Felecia Lokey	
	28	Wal-Mart Stores, Inc.	e	Angela Beehler	
	29	Wisconsin Public Service Corporation	d	William L. Bourbonnais, Les Nishida, Ken Thiry	

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant		Organization	Segment	Contact	Sub-Segment
Wholesale Gas Quadrant:	1	8760	s	Jim Buccigross	
	2	AEP Energy Services, Inc.	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	Michele Markey	
	7	Arizona Public Service Company	e	Gary Duede, 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	Chevron/Texaco	pr	Randy Mills	
	25	Cimarex Energy Co.	pr	Kim King	
	26	Cinergy - regulated	e	John Procaro	
	27	Cinergy	e	Marty Patterson	
	28	Cinergy Marketing and Trading	s	Maribeth Bedevian	
	29	Columbia Gas Transmission	pl	Carl Levander	

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
30	Comprehensive Energy Services	e	Jim Templeton	
31	ConocoPhillips Gas and Power	pr	Peter Frost	
32	Consolidated Edison Company of NY	l	Mary Jane McCartney, James Stanzione	
33	Constellation Commodities Group, Inc.	s	Robert McKay	
34	Dauphin Island Gathering Partners	pl	Katie Rice	
35	Defense Energy Support Center	e	Veronica Jones, Kevin Ahern	
36	Department of Energy	e	Christopher Freitas	
37	Dominion Exploration and Production, Inc.	pr	David Ogden, Gary Weaver, Sheri Heslington	
38	Dominion Resources	l	Craig Columbo	
39	Dominion Transmission, Inc.	pl	Gary Sypolt, Iris King	
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	
49	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	Joe Stepenovitch	
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	Claire Burum, 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	

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
62	Kerr-McGee Oil and Gas Corporation	pr	Charles (Chuck) Johnson	
63	Key Span Energy	1	Dolores Chezar	
64	Laclede Gas Co.	1	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	Marathon Oil Company	pr	Robin Perrine	
69	Mewbourne Oil Company	pr	Michael F. Shepard	
70	National Fuel Gas Distribution	1	Michael Novak	
71	National Fuel Gas Supply Corp.	pl	Joseph Kardas	
72	Natural Gas Pipeline Co of America	pl	Paul Love	
73	New Jersey Natural Gas Company	1	Douglas C. Rudd	
74	Niagara Mohawk Power Corporation	1	Bruce Garcy	
75	Nicor Gas	1	Mary Wolosek, Shirley Holmes	
76	NiSource Inc.	1	George Simmons	
77	NJR Energy Services Company	s	Ginger Richman	
78	Northern Natural Gas	pl	Mary Darveaux	
79	Northern Plains Natural Gas Co., LLC	pl	Scott Coburn	
80	Northwest Natural Gas Company	1	Randolph Friedman	
81	NOVA Gas Transmission Ltd.	pl	Doug Miller	
82	Occidental Energy Marketing Inc. (OEMI)	pr	Melinda Duncan	
83	Oxadel Consulting, LLC	s	Lyn Maddox	
84	Pacific Gas & Electric	1	John Breen	
85	Panhandle Eastern Pipe Line	pl	William Grygar, Kim Van Pelt	
86	PECO Energy Co.	1	Reed R. Horting, Amy Hamilton	
87	Pemex Gas Y Petroquimica Basica	s	Juan Enrique Gonzalez Azuara	
88	Peoples Gas Light & Coke Co.	1	Tom Zack	
89	Platts	s	Bill Murphy	
90	Portland General Electric	pl	Kathy Davies	
91	Portland Natural Gas Transmission System	pl	David Haag	
92	Powerex Corp.	s	Sharole Tylor	
93	PPL EnergyPlus, LLC	e	Anne Lovett	
94	Public Service Electric & Gas	1	David Wohlfarth	

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
	95 Questar Pipeline Co.	pl	Scott Hansen	
	96 Quorum Business Solutions Inc.	s	Mark Davis	
	97 Sabine Pipe Line LLC	pl	Jan Rogers	
	98 Salt River Project Agricultural Improvement & Power District	e	Diane McVicker	
	99 SCANA Corporation	pl	Jacquelyn Gettle	
	100 Sempra Energy - Southern California Gas Co.	l	Lee Stewart, Rodger Schwecke	
	101 Sequent Energy Management, L.P.	s	Pat Metteauer	
	102 Shell Gas Transmission, LLC	pl	Chuck Cook, Neal Gerstandt	
	103 SolArc Inc.	s	Tim Curtis	
	104 Southern California Edison Company	e	Roman Bakke	
	105 Southern Company Services, Inc.	e	Carl Haga	
	106 Southern Natural Gas Co.	pl	Renee Hyde, Ronnie L. Martin	
	107 Southern Star Central Gas Pipeline	pl	James L. Harder, Dale Sanders	
	108 Southwest Gas Corporation	l	Larry Black	
	109 SunGard	s	Jennifer Chen	
	110 Telvent	s	William (Bill) Morrow	
	111 Tennessee Gas Pipeline Company	pl	Larry Smith, Mark Gracey	
	112 Tennessee Valley Authority	e	Valerie Crockett	
	113 Texas Gas Transmission, LLC	pl	Jeff Bittel	
	114 Tiger Natural Gas	s	Bob Smith	
	115 TransCanada Pipelines	pl	Doug Miller	
	116 Trinity Apex Systems	s	Richard (Dick) Couron	
	117 UBS Energy LLC	s	Suzanne Calcagno	
	118 Vector Pipeline L.P.	pl	Amy Bruhn	
	119 Washington Gas Light Co.	l	Adrian Chapman, Ken Yagelski	
	120 Westfield Gas & Electric Light Dept.	l	Joyce Bodak	
	121 Williams Gas Pipeline	pl	Dale Davis, Ron Mucci	
	122 Williston Basin Interstate Pipeline	pl	Keith Tiggelaar	
	123 Wisconsin Public Service Corporation	l	Patrick Fox	
Wholesale Electric Quadrant:	1 ACES Power Marketing LLC	m	Roy J. True	muni
	2 Alabama Electric Cooperative, Inc.	d	Kenneth J. Skroback	muni

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
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, Michael Desselle	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	Greg Emery	iou
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	Calpine Corporation	g	William Taylor, Jim Stanton	merc
20	Central Electric Power Cooperative	d	Arthur Fusco	muni
21	ChevronTexaco Energy Research and Technology	e	Carol Guthrie	sgen
22	Cinergy (regulated)	e	John Procaro	endues
23	Cinergy	g	Walt Yeager	iou
24	Cinergy	m	Walt Yeager	iou
25	Cleco Power, LLC	t	Keith Comeaux	iou
26	Comprehensive Energy Services	e	Jim Templeton	enduse
27	Conectiv Energy Supply, Inc.	g	Gloria Ogenyi	merc
28	Conectiv Energy Supply, Inc.	m	Gloria Ogenyi	iou
29	Consolidated Edison Company of New York, Inc.	t	Scott Butler	iou
30	Constellation Generation Group	g	Michael Gildea	merc
31	Consumers Energy Company	d	Andrew C. Dotterweich, Frank Johnson	iou
32	Consumers Energy Company	g	Steven L. Gaarde, Andrew C. Dotterweich, John J. Dellas	iou
33	Dairyland Power Cooperative	t	Chuck Callies	muni
34	Department of the Interior, Bureau of Reclamation	g	Deborah M. Linke	fed

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
35	Dominion Energy Marketing, Inc.	g	Lou Oberski	iou
36	Duke Energy Corp.	d	Ollie Frazier	iou
37	Dynegy Power Marketing, Inc.	g	Barry Huddleston	merc
38	Edison Electric Institute	n	David Owens, Dave Dworzak	N
39	Edison Mission Marketing & Trading, Inc.	g	William Roberts	merc
40	Electric Reliability Council of Texas (ERCOT)	n	Sam R. Jones, Ray Giuliani	n
41	ElectriCities of North Carolina (North Carolina Eastern Municipal Power Agency)	g	Gregory Locke	muni
42	Electricity Consumers Resource Council (ELCON)	e	John Anderson, John Hughes	lind
43	Empire District Electric Company, The	t	Bary K. Warren	iou
44	Energy East Management Corporation	t	Marjorie Perlman	iou
45	Entergy Services, Inc.	t	Edward J. Davis	iou
46	Entergy Services, Inc.	m	James M. (Jimmy) Smith	iou
47	Exelon Corporation - PECO Energy	d	John F. Leonard, Jr.	iou
48	Exelon Generation - Power Team	m	Jack Crowley	iou
49	ExxonMobil Gas Marketing	e	Steve Sayuk, Mark Scheel, Mark Ulrich	sgen
50	FirstEnergy Solutions Corp.	m	Edward C. Stein	iou
51	Florida Municipal Power Agency	g	Robert C. Williams	muni
52	Florida Municipal Power Agency	d	Steven H. McElhaney	muni
53	Florida Power & Light Company	m	Gerry Yupp, Raleigh Nobles	iou
54	Florida Power & Light Company	t	Marty Mennes	iou
55	Florida Reliability Coordinating Council	t	Linda D. Campbell	at large
56	Georgia Transmission Corporation	t	Patrick McGovern, Mark Temple	muni
57	Hydro – Quebec Transenergie	t	Victor Bissonnette	fed
58	Idaho Power Company	t	Robert Gumm	iou
59	Imperial Irrigation District	m	Kim M. Kiener, Frank M. Barbera	muni
60	Imperial Irrigation District	t	Juan Carlos Sandoval, Javier Esparza	muni
61	Indiana Municipal Power Agency	g	Dick Foltz	muni
62	International Transmission Company	t	Jim D. Cyrulewski	itc
63	Maryland Peoples Counsel	e	Mike Tomczak	
64	Michigan Electric Transmission	t	Charles V. Waits	itc

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
	Company LLC			
65	Michigan Public Power Agency	d	James R. Nickel, Daniel E. Cooper	muni
66	Midwest Independent TransmissionSystem Operator+J96	n	William (Bill) Phillips	n
67	Minneapolis Consulting Group	e	Mike Prickett	endues
68	Missouri River Energy Services	d	Brian Zavesky	muni
69	Modesto Irrigation District	t	Roger Van Hoy	muni
70	National Association of Regulatory Utility Commissioners	e	Lou Ann Westerfield	reg
71	National Grid USA	t	Herbert Schrayshuen, Peter Flynn, Mary Ellen Paravalos	itc
72	National Rural Electric Cooperative Assoc.	d	Barry Lawson	muni/coop
73	Navigant Consulting, Inc.	m	Richard G. Smead	at large
74	New York State Dept. of Public Service	e	William Heinrich	reg
75	New York State Reliability Council	d	P. Donald Raymond	at large
76	North American Electric Reliability Council	d	Donald M. Benjamin, Larry Kezele, Tom Vandervort, Bill Blevins	at large
77	North Carolina Electric Membership Corporation	d	David Beam	muni
78	North Carolina Electric Municipal Power Agency #1	m	Clay A. Norris	muni
79	North Carolina Electric Municipal Power Agency #1	d	Andrew Fusco	muni
80	Northeast Utilities Service Company	t	David Boguslawski, Calvin A. Bowie	iou
81	Oglethorpe Power Corporation	g	Billy Ussery	muni
82	Ohio Consumers' Counsel	e	Randy Corbin	comres
83	Ontario Power Generation	g	Barry Green	merc
84	Ontario Power Generation	m	Rob Robinson	niou
85	Open Access Technology International, Inc.	e	Kevin Burns	at large
86	Open Access Technology International, Inc.	t	Paul R. Sorenson	at large
87	Otter Tail Power Company	t	Daryl Hanson, Larry Larson	iou
88	PacifiCorp	m	Edison G. Elizeh	iou
89	PacifiCorp	g	Greg Maxfield	iou
90	PacifiCorp	t	Jim Hicks, Mark Maher	iou
91	PHI Power Delivery	t	Ken Gates	iou
92	Platte River Power Authority	t	Terry L. Baker	muni

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment
93	Portland General Electric	m	Terri Peschka	iou
94	PPL Electric Utilities Corporation	t	Ray Mammarella	iou
95	Progress Energy (Regulated)	m	James Eckelkamp	iou
96	Progress Energy	t	Verne Ingersoll, Phillip W. Lewis	iou
97	PSEG Power LLC	g	Thomas M. Piascik	merc
98	PSEG Energy Resources and Trade LLC	m	James D. Hebson	io
99	Public Service Electric and Gas Company	d	Colin J. Loxley	iou
100	Public Service Electric and Gas Company	t	Jeffrey C. Mueller	iou
101	Puget Sound Energy, Inc.	t	George Marshall, Bob Harshbarger	niou
102	Qualedi, Inc.	g	Stephen A. Morocco	at large
103	Sacramento Municipal Utility District	d	Robert D. Schwermann	muni
104	Sacramento Municipal Utility District	g	Thomas Ingwers	muni
105	Salt River Project Agricultural Improvement and Power District	d	Wendy Weathers, Mark B. Bonsall	other
106	Salt River Project Agricultural Improvement and Power District	t	Steve Cobb	fed
107	Seminole Electric Cooperative, Inc.	g	Lane Mahaffey	muni
108	South Carolina Electric & Gas Company	t	S. Porcher Stoney	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	Roman Carter	iou
114	Southern Company Services, Inc.	m	Joel Dison	iou
115	Southern Company Services, Inc.	t	R.D. (Dean) Ulch, John Lucas, Rebecca Martin, James Y. Busbin	iou
116	Southwest Transmission Cooperative, Inc.	t	Larry D. Huff	muni
117	Southwest Power Pool	n	Carl Monroe	n
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

North American Energy Standards Board Membership List
As of February 28, 2006

Quadrant	Organization	Segment	Contact	Sub-Segment	
	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
	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	Steven J. Beuning	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	Duke Energy Gas Transmission, LLP	su	Richard Kruse, Marcy L. McCain	
	7	Energy Services Group, Inc.	s	George Behr	
	8	Exelon Energy	su	Sheree M. Petrone	
	9	Indiana Office of Utility Consumer Counselor	e	Matthew Parsell	
	10	International LNG Alliance	s	David Sweet	

North American Energy Standards Board Membership List
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Quadrant	Organization	Segment	Contact	Sub-Segment
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 Consumers' Counsel	e	Bruce M. Hayes	
16	Pennsylvania Office of Consumer Advocate	e	Tanya J. McCloskey, Stephen Keene	
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	SunGard EnForm Consulting	s	David F. Pfeifer	
22	Systrends	s	Dave Darnell	
23	UBS Energy LLC	su	Suzanne Calcagno	
24	UGI Utilities, Inc.	d	Paul Szykman	
25	Union Gas	d	Greg Tetreault	
26	Wisconsin Public Service Corporation	d	William Bourbonnais, Glen R. Schwalbach, Les Nishida	
27	Xcel Energy	d	Don Basler	

**NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
MARCH 23, 2006**

TAB 8

MEETING SCHEDULE FOR 2006

This section includes:

- The meeting schedule for 2006.

The material presented is background information for the discussion of agenda items 7 and 8. Board members are asked to raise issues they would like addressed in the March 2006 Board meeting.



North American Energy Standards Board

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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