

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

North American Energy Standards Board
Board of Directors Meeting
June 28, 2007

NORTH AMERICAN ENERGY STANDARDS BOARD
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TABLE OF CONTENTS

Administrative Items:	Tab 1	Welcome and Administrative Items (Agenda item #1) <ul style="list-style-type: none"> • Welcome and opening remarks • Members of the Board of Directors & Terms • 2007 Meeting Schedule • Antitrust Guidelines
	Tab 2	Meeting Announcement & Agenda (Agenda item #1)
	Tab 3	Draft Minutes of Prior Meeting (Agenda item #1) <ul style="list-style-type: none"> • Minutes of March 22, 2007
Meeting of the Members	Tab 4	Meeting of the Members (Agenda Item #2) <ul style="list-style-type: none"> • Key Accomplishments in 2006 • Standards Adopted in 2006 • Partnerships, Liaisons and FERC Filings in 2006
Board Review:	Tab 5	Review of Board Responsibilities (Agenda Item No. 3)
Strategic Session	Tab 6	Strategic Session (Agenda Item No. 4) <ul style="list-style-type: none"> • DSM-EE summary of meetings • Retail gas and electric direction post 2007 – 2007 Annual Plan • Gas Quality activities – recent standards approved • Order 890 efforts and coordination with NERC – Order 890 plan • E-tariff efforts – direction underway • Gas-electric interdependency status – FERC actions • Other activities NAESB should consider as part of the Strategic Plan for 2008
Board Business:	Tab 7	Standards Activities (Agenda Item No. 5) <ul style="list-style-type: none"> • Standards Adopted Since the March Board Meeting • Filings with the FERC made since last report
	Tab 8	Resources Committee Update (Agenda Item No. 5)
	Tab 9	Executive Committee Reports on Annual Plans (Agenda Item No. 5)
	Tab 10	Membership Report & Financial Report (Agenda Item No. 5)
	Tab 11	Update on partnerships and coordination with other groups (Agenda Item No. 5)

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

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. There are no actions expected of the Board members.

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

WELCOME AND OPENING REMARKS

- The meeting specifics are:

Where: The Driskill Hotel
604 Brazos Street, Austin, TX 78701
Phone – 512-474-5911 or 800-252-9367

When:	June 27	Noon to 3:00 pm C	Wholesale Electric Leadership Meeting	Crystal Room
		3:00 to 5:00 pm C	Retail Leadership Meeting	Citadel II Room
		5:30 pm C	Board Reception	Victorian Room
		7:30 pm C	Board Dinner	Victorian Room
	June 28	8:30 to 9:30 am C	Resources Committee Meeting	Chisolm Room
		9:30 am to 3:00 pm C	Board Meeting, Strategic Session & Meeting of the Members	Ballroom

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

- For further assistance please reach:

Veronica Thomason at (713) 356 - 0060

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

Michael Desselle	- Chairman, Wholesale Electric Quadrant
Richard Zelenko	- Vice Chairman Retail Electric Quadrant
Bill Bourbonnais	- Vice Chairman Retail Gas Quadrant
Rae McQuade	- President, COO and Secretary
Bill Boswell	- General Counsel

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

ANTITRUST GUIDELINES

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

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

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

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

North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002
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NORTH AMERICAN ENERGY STANDARDS BOARD 2007 BOARD TERMS – Wholesale Gas Quadrant

PRODUCERS SEGMENT		TERM END:
Jay Ellzey	Vice President Commercial Operations, Chevron Natural Gas	12-31-2008
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	12-31-2007
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	12-31-2007
V A C A N C Y		12-31-2008
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	12-31-2007
PIPELINE SEGMENT		
Jim Goldmann	Vice President - Transportation Services and Development, Alliance Pipeline LP	12-31-2008
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	12-31-2008
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	12-31-2008
Anne Bomar	Vice President, Dominion	12-31-2007
Richard Kruse	Senior Vice President, Spectra Energy Transmission	12-31-2007
LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	12-31-2008
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	12-31-2008
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	12-31-2008
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	12-31-2007
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	12-31-2007
END USERS SEGMENT		
Valerie Crockett	Senior Energy & Policy Specialist, Tennessee Valley Authority	12-31-2008
V A C A N C Y		12-31-2008
Diane McVicker	Senior Principal Fuel Analyst, Salt River Project	12-31-2008
V A C A N C Y		12-31-2007
Jim Templeton	Principal, Comprehensive Energy Services	12-31-2007
SERVICES SEGMENT		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	12-31-2008
V A C A N C Y		12-31-2008
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	12-31-2007
Bill Hebenstreit	Manager – Contract Administration, Cheniere Marketing, Inc.	12-31-2007
Suzanne Calcagno	Director, Regulatory Compliance, UBS Energy, LLC	12-31-2008

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NORTH AMERICAN ENERGY STANDARDS BOARD 2007 BOARD TERMS – Retail Electric Quadrant

SUPPLIERS SEGMENT		TERM END:
Gregory Urbin	Regulatory Affairs Manager, Constellation NewEnergy	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2008
Richard Zelenko	Vice President, Dominion Retail Inc.	12-31-2008
DISTRIBUTORS SEGMENT		
David Koogler	Director – State Regulation, Dominion Virginia Power (SERC NERC Region)	12-31-2007
Dennis Derricks	Director Regulatory Policy and Analysis, Integrys Energy Services, Inc.	12-31-2007
Ruth Kiselewich	Director Special Projects and Supplier Services, Baltimore Gas & Electric Company (MAAC NERC Region)	12-31-2008
Debbie McKeever	Market Advocate, Oncor	12-31-2008
END USERS SEGMENT		
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2008
SERVICE PROVIDERS SEGMENT		
Jim Minneman	Director of Business Services, PPL Solutions LLC	12-31-2007
V A C A N C Y		12-31-2007
J Cade Burks	President, EC Power	12-31-2008
V A C A N C Y		12-31-2008

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TRANSMISSION SEGMENT		TERM END:	SUBSEGMENT:
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	12-31-2007	Muni/Coop
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	12-31-2008	Fed/State/Prov.
John E. Lucas	Director - Transmission Policy and Services, Southern Company Transmission	12-31-2008	IOU
V A C A N C Y		12-31-2007	IOU
V A C A N C Y		12-31-2008	ITC
Terri Grabiak	Director – FERC and RTO Internal Affairs, Allegheny Energy, Inc.	12-31-2007	at large
Ken Wiley	FRCC Representative, Florida Reliability Coordinating Council	12-31-2007	At-Large
GENERATION SEGMENT			
Curtis Winterfeld	Vice President of Power Marketing, Deseret Generation & Transmission Cooperative	12-31-2007	Muni/Coop
Belinda Thornton	Senior Manager – Real Time Trading, Tennessee Valley Authority	12-31-2008	Fed/State/Prov.
Lou Oberski	Director – Electric Market Policy, Dominion Resource Services, Inc.	12-31-2008	IOU
Charles W. Severance	Manager – Supply & Wholesale Services, Integrys Energy Services, Inc.	12-31-2007	IOU
Michael Gildea	Executive Director, Regulatory Affairs, Constellation Generation Group	12-31-2007	Merchant
Gloria Ogenyi	Vice President Energy Policy, Conectiv Energy Supply, Inc.	12-31-2008	Merchant
Ron Mucci	Manager - Regulatory Affairs, Williams Power Company	12-31-2007	At-Large
MARKETERS/BROKERS SEGMENT			
Roy True	Manager of RTO Market Development, ACES Power Marketing	12-31-2008	Muni/Coop
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	12-31-2007	Fed/State/Prov.
Michael Grim	Director of Markets and Regulation, TXU Business Services	12-31-2008	Not IOU Affiliated
Mark Bennett	General Counsel/Director of Policy, Electric Power Supply Association	12-31-2007	at large
Mark Klein	Vice President – Energy Supply and Marketing, Public Service Company of New Mexico	12-31-2008	IOU
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	12-31-2007	IOU
Rick Smead	Director, Navigant Consulting, Inc.	12-31-2007	At-Large

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DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		TERM END:	SUBSEGMENT:
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	12-31-2008	Muni/Coop
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	12-31-2007	Muni/Coop
Leonard Haynes	Executive Vice President – Supply Technologies, Renewables and Demand, Southern Company	12-31-2008	IOU
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	12-31-2007	IOU
Thomas Burgess	Director – FERC Compliance, FirstEnergy Service Company	12-31-2007	at large
Joe Hartsoe	Managing Director – Federal Policy, American Electric Power Service Corp.	12-31-2008	at large
Bruce Ellsworth	New York State Reliability Council	12-31-2007	At-Large
END USERS SEGMENT			
V A C A N C Y		12-31-2007	End Use (Also in another segment)
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	12-31-2008	End Use (Self Generator)
James T. Gallagher	Director, Office of Electricity & Environment, New York State Department of Public Service	12-31-2008	Regulator
V A C A N C Y		12-31-2007	Residential/Commercial
V A C A N C Y		12-31-2008	Large Industrial
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	12-31-2007	Large Industrial
Michehl Gent	Open Access Technology International, Inc.	12-31-2007	At-Large
INDEPENDENT GRID OPERATORS/PLANNERS			
Michael Desselle	Vice President Process Integrity, Southwest Power Pool	12-31-2008	
Ray Giuliani	Vice President Market Operations, Electric Reliability Council of Texas (ERCOT)	12-31-2008	
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.	12-31-2008	
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)	12-31-2008	
Andy Ott	Vice President Markets, PJM Interconnection	12-31-2007	
William Phillips	Vice President Interregional Coordination & Policy, Midwest ISO (MISO)	12-31-2007	
Don Tench	Director Planning & Assessments, Independent Electricity System Operator (IESO)	12-31-2007	

The subsegments noted in the above roster are:

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

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

End Use (also in another segment)

Federal/State/Provincial

IOU – Investor Owned Utility or IOU Affiliated

ITC – Independent Transmission Company

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Large Industrials (not in other segments)

Merchant

Muni/Coop – Municipals, Cooperatives

Not IOU Affiliated

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

Regulator

Residential/Commercial

End Use (Self Generation)

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

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NORTH AMERICAN ENERGY STANDARDS BOARD 2007 BOARD TERMS – Retail Gas Quadrant

SUPPLIERS SEGMENT		TERM END:
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.	12-31-2008
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
DISTRIBUTORS SEGMENT		
Craig White	Chief Operating Officer, Philadelphia Gas Works	12-31-2008
William Bourbonnais	Vice President – Transmission, Integrys Energy Groups, Inc.	12-31-2007
V A C A N C Y		12-31-2008
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2008
END USERS SEGMENT		
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2008
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2007
SERVICE PROVIDERS SEGMENT		
Leigh Spangler	President, Latitude Technologies Inc.	12-31-2008
V A C A N C Y		12-31-2008
Dave Darnell	President & CEO, Systrends USA	12-31-2007
Greg Lander	Principal, Commerce Energy Group	12-31-2007
V A C A N C Y		12-31-2007
V A C A N C Y		12-31-2008



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November 6, 2006

TO: NAESB Executive Committee and Interested Industry Participants
FROM: Rae McQuade, NAESB Executive Director
RE: Schedule of 2007 Meetings

Below is the schedule for 2007 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 6-8	EC Meetings – WEQ, Retail and WGQ	Houston
February 17	Advisory Council Meeting	Washington D.C. in conjunction with the NARUC Winter meetings
March 22	Board of Directors	Houston
May 8-10	Executive Committee Meetings (WEQ, Retail, WGQ)	Washington D.C.
June 28	Board of Directors Meeting & Strategic Planning Session	Austin, Texas
August 14-16	Executive Committee Meetings (WEQ, Retail, WGQ)	Colorado Springs, CO
September 27	Board of Directors Meeting & Strategic Planning Session	Houston
November 6-8	Executive Committee Meetings (WEQ, Retail, WGQ)	Houston
December 13	Board of Directors	Houston

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

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. No changes were offered to the agenda since its availability.

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



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May 31, 2007

TO: NAESB Members
FROM: Rae McQuade, NAESB President and COO
RE: Board Meeting, Strategic Session and Meeting of the Members – June 28, 2007

via email

Dear NAESB Members, Board Members and Invited Guests:

At our March Board of Directors meeting, the Board unanimously agreed to hold the meeting of the members as part of the strategic session to be held on June 28. We hope you will be able to join us. As noted earlier this month, the June 28th Board meeting and strategic session will be held in Austin, Texas at the historic Driskill Hotel. The specifics of the meeting are:

WHERE: The Driskill Hotel, 604 Brazos Street, Austin, TX 78701
 Phone – 512-474-5911 or 800-252-9367

WHEN: June 27	Wholesale Electric Leadership Meeting (a working lunch will be served at this meeting)	Noon to 3:00 pm C
June 27	Retail Leadership Meeting	3:00 pm to 5:00 pm C
June 27	Board Reception and Dinner	5:30 pm reception 7:30 pm dinner seating
June 28	Resources Committee Meeting	8:30 am to 9:30 am C
June 28	Board Meeting, Strategic Session & Meeting of the Members (a buffet lunch will be served during the meeting)	9:30 am to 3:00 pm C

As with all our meetings, these events are open to any interested party. For the meetings, conference calling will be available should you be unable to attend in person. Please contact Veronica Thomason (vthomason@naesb.org, 713-356-0060) for additional information on the meeting and conference calling information. As previously noted in communications, a room block at the Driskill Hotel with a NAESB negotiated rate will be available until June 4. Please RSVP by June 15 if you plan to attend in person or call into the meeting. Board materials should be posted shortly.

Best Regards,

Rae McQuade

Rae McQuade
 NAESB President and COO



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NAESB BOARD OF DIRECTORS MEETING Driskill Hotel, 604 Brazos Street, Austin, Texas 78701

**Thursday, June 28 – 9:30 a.m. to 3:00 pm Central
 DRAFT AGENDA**

- 9:00 a.m. Continental Breakfast
- 9:30 a.m.
1. Administration and Welcome:
 - a) Antitrust Guidelines
 - b) Introduction of Board Members and Guests
 - c) Agenda Adoption
 - d) Adoption of Draft Minutes from 3-22-07
 2. Meeting of the Members:
 - a) Review of key accomplishments
 - b) Review of standards adopted
 - c) Review of partnerships with agencies and trade associations
 3. Review of Board Responsibilities
 4. Strategic Session –review of current activities and plans for 2008:
 - a) DSM-EE efforts
 - b) Retail gas and electric direction post 2007
 - c) Gas quality activities
 - d) Order 890 efforts and coordination with NERC
 - e) E-tariff efforts
 - f) Gas-electric interdependency status
 - g) Other activities NAESB should consider as part of the Strategic Plan for 2008
 5. Board Business:
 - a) Standards Adopted Since the March Board Meeting
 - b) Filings with the FERC made since last report
 - c) Resources Committee Update
 - d) Executive Committee Report from each Quadrant with vote on changes proposed
 - e) Membership Report
 - f) Financial Report
 - g) Update on partnerships and coordination with other groups
 6. Plan for upcoming September 27 Board Meeting in Houston
 7. Old and New Business
 - Meeting Schedule for 2007
- 3:00 p.m. 8. Adjourn

*Attire – Business Casual
 Buffet Lunch served during the Board meeting*

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 3

DRAFT MINUTES – MARCH 22, 2007

This section includes:

- The draft minutes for the Board meeting on March 22, 2007

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 minutes were made available and posted and no suggested edits to the minutes were forwarded prior to this meeting.



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April 2, 2007

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 – March 22, 2007

**NORTH AMERICAN ENERGY STANDARDS BOARD
 NAESB BOARD OF DIRECTORS MEETING
 March 22, 2007 in Houston, TX
 Draft Minutes**

1. Administration and Welcome

Mr. Desselle opened the meeting and welcomed the Board members and the other attendees. He identified the new Board members who were elected during the end of term elections. Mr. Desselle is the Chairman of the Board for 2007. Mr. Boswell read the antitrust guidelines. Ms. Kennedy called the roll of the Board members and quorum was established.

The Board members reviewed the draft agenda for the meeting on page 13 of the [Board book](#). Mr. Sappenfield moved, seconded by Mr. Brown, to adopt the agenda as drafted. The motion passed without objection.

The Board members reviewed the draft minutes from the December 14, 2006 meeting on pages 15-27 of the Board book. Ms. Crockett stated that she should be added as a one of the individuals who held a seminar for FERC staff on page 15 of the Board book. Ms. York requested that the first paragraph on page 17 of the Board book be modified to state: “Ms. York stated that during the WEQ Leadership call, she asked if NAESB could postpone the decision on submitting the filing of the TLR standards until March to determine if progress can be made on the development of the NERC TLR standards.” Mr. Haynes moved, seconded by Mr. Chapman, to adopt the minutes as revised. The motion passed a simple majority vote. The final minutes from the December 14, 2007 Board meeting are posted on the NAESB website: [Final Minutes](#). [Vote 1].

2. Advisory Council Report

Mr. Ellsworth, chair of the Advisory Council, reviewed the discussions at the Advisory Council meeting on February 17, 2007 in Washington, DC. The Advisory Council meeting was held in conjunction with the NARUC Winter Meeting. The minutes from the Advisory Council meeting can be found on pages 29-33 of the Board book. Mr. Ellsworth stated that the Monthly Update Calls have been well received by the NARUC community to keep them informed of the ongoing standards development efforts at NAESB. The Advisory Council reviewed the work NAESB completed in 2006 and the Annual Plans for 2007 for each Quadrant. During the meeting, Mr. Ellsworth was elected chair for the Advisory Council for 2007-2008.

3. Reports from Board Committees

Resources Committee: Mr. Brown provided the update on the efforts of the Resources Committee. He stated that there has been a net of sixteen memberships since the formation of the Committees. Twenty members have joined and seven have resigned since the December



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2006 Resources Committee meeting. Mr. Brown noted that two independent transmission companies resigned. He suggested the Resources Committee and the entire Board conduct an outreach to the independent transmission company community to encourage them to reconsider joining NAESB. Several upcoming events and recent events are likely to increase interest and possible membership opportunities: The Demand Side Management/Energy Efficiency meeting scheduled on April 11 hosted by the Department of Energy in Washington, DC; the next e-Tariff subcommittee meeting scheduled on April 26 hosted by the American Gas Association in Washington, DC; and FERC Order 890 issued on February 15, 2007 and published in the Federal Register on March 15, 2007. Mr. Brown encouraged Board members to conduct outreach to potential NAESB members. If a Board member knows of a potential new member, he/she can simply submit the name and contact information to the NAESB office.

4. Updates on Specific Efforts

WEQ Order 890, TLR, and ATC Efforts: Ms. York stated that during the December Board meeting she requested the Board to postpone making a decision on filing the NAESB split TLR standards in order to see how much progress the joint team can make until the March Board meeting. She stated that the NAESB business practice standards are completed and the NERC TLR Drafting team is working to complete the NERC reliability standards. The NERC TLR Drafting Team met jointly with the NAESB WEQ Business Practices Subcommittee (BPS) in Birmingham, Alabama hosted by Southern Company on February 27-28. During this meeting, the NERC TLR Drafting Team determined that it would retire a few pieces of the standard; developed an IDC Reference Document that will be incorporated into the NERC reliability standards as Attachment 2 to TLR. The group determined that a small change needed to be made to the NAESB business practices for TLR for TLR level 5a. The WEQ BPS is working to make this change. Ms. York stated that the NERC TLR Drafting Team and WEQ BPS hope to complete the NERC split TLR standards in order to post for comment so that NAESB can file the complementary business practices in early summer 2007. Mr. Adamski and Mr. Lohrman agreed with Ms. York's assessment. Mr. Desselle noted that the WEQ Leadership discussed the progress on the TLR split standards with NERC and it was determined that due to the progress made to date, NAESB could continue to postpone filing the split TLR business practices for the time being. For more information on the development of the TLR standards, please see pages 41 and 45-47 of the Board book.

Ms. York stated that the ATC subcommittees at NERC and NAESB continue to meet separately to work on the ATC standards development. The groups are working in close coordination to review language before standards are posted for industry comment. Comments were due on proposed revisions to NERC MOD001 on March 16. A joint NERC ATC Drafting Team and NAESB WEQ BPS ESS/ITS conference call is scheduled on March 23 to review the compiled comments on MOD001. The NAESB WEQ BPS and ESS/ITS will also provide comments on the proposed revisions to NERC MOD008 during this call.

Ms. York noted that FERC Order 890 was posted in the Federal Register on March 15, which starts the clock for timeline due dates within the Order. The NERC ATC Drafting Team and the NAESB WEQ BPS and ESS/ITS have reviewed the Order to determine action items for each organization and have made assignments to subcommittees based on the action item. Ms. McQuade prepared an Order 890 matrix, included in the Board book on pages 48-67, that includes cites to specific language within the Order where NAESB is required to take action. A



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conference call has been scheduled on March 27 with FERC Staff and NERC Staff to discuss NERC and NAESB's work plan to date and to get some clarification on certain items.

Ms. York stated that the standards development subcommittees need as much participation and diversity in the development of the Order 890 standards as possible. She noted that there are many participants representing the Transmission segment, but a lack of participation in the Marketer/Broker segment, with only one or two participants in that segment. For more information on the development of the ATC standards and Order 890, please see page 41 of the Board book.

WEQ Structure – 6th Segment: Mr. Desselle reviewed the procedures implemented to date to create a sixth segment within the WEQ – the Independent Grid Operator/Planner segment. The WEQ member ratification ballots were due on February 2. The ballot was approved with the required 75% in support of the addition of the segment. On March 9, once there were the required five members that had good standing within the Independent Grid Operator/Planner segment, the NAESB office distributed a request for candidates for the Board and Executive Committee seats that were added to the WEQ. Nominations are due on April 13. If an election is required, it will be held April 16-April 30. For more information on the addition of the Independent Grid Operator/Planner Segment, please see pages 41 and 68-69 of the Board book.

WEQ Drafting Collaborative considerations: Mr. Desselle stated that during the February 6, 2007 WEQ Executive Committee meeting, the WEQ Executive Committee members voted unanimously in support of a motion to request the WEQ Board to consider asking the WEQ Drafting Collaborative to revise the WEQ Quadrant Procedures to allow an individual to hold a seat on the Board and Executive Committee simultaneously. For more information, please see pages 42 and 70-83 of the Board book.

Mr. Desselle stated that this issue was discussed during the WEQ Leadership meeting on March 21. There was concern that a compelling reason to modify the Quadrant Procedures has not been raised. With the timing of the request for this change so close to the formation of the sixth segment in the WEQ, the WEQ Leadership reached a consensus to table this issue until the next WEQ Leadership meeting. The WEQ Leadership will ask the WEQ Executive Committee for additional rationale to support making this proposed modification.

Retail DSM and EE: Mr. Koogler provided the review of the activities to address Retail Quadrant 2007 Annual Plan Item 10 - Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program and [Request No. R06024](#). He stated that the initial meeting is scheduled on Wednesday, April 11, 2007 in Washington, DC hosted by the Department of Energy. The meeting announcement can be found on pages 84-85 of the Board book and Request R06024 can be found on pages 88-91 of the Board book. The Department of Energy, FERC, NARUC, EPA, and the group that developed the National Action Plan for Energy Efficiency (NAPEE) are working with the Retail Quadrant Leadership to develop the agenda for the April 11 meeting. ICF International will facilitate the meeting. The goal of the meeting is to determine what NAESB will do to address the Annual Plan and Request and to ensure that NAESB is not duplicating efforts by other groups.



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Mr. Haynes stated that NAPEE proposed work in the technical potential and measurement verification of energy efficiency programs. He noted that the National Energy Action Plan and the issues addressed in the plan should be considered in the NAESB Demand Side Management/Energy Efficiency efforts, especially since NAESB utilizes an ANSI approved process.

Mr. Brown noted that there is a FERC conference on Demand Side Management issues two weeks after the NAESB DSM meeting, on April 23. He asked how what is determined at the NAESB meeting on April 11 would be conveyed to the FERC at its conference on April 23. Ms. McQuade stated that NAESB is working with the EPA, the Department of Energy, and FERC to ensure that NAESB is not duplicating efforts of those groups in this area. Ms. McQuade stated that NAESB has been asked to speak on the panel at the FERC Technical Conference on April 23. Mr. Desselle suggested that NAESB set up a conference call between the meeting on April 11 and the FERC technical conference on April 23 to identify the individuals who will represent NAESB at the April 23 meeting. Ms. Schaub noted that Commissioner Wellinghoff has noted that NAESB will be developing standards for Demand Side Management and Energy Efficiency. She added that even if there is an overlap with the NAESB work product and other groups, NAESB has the benefit of the ANSI process. Ms. McQuade noted that the WEQ will be moving this item from the provisional items section on the 2007 Annual Plan as an official Annual Plan item.

WGQ Gas Quality: Mr. Buccigross provided an update on the development of the gas quality standards in the WGQ. He stated that during December, the WGQ Executive Committee considered a package of gas quality standards but determined to remand the standards for further development by the WGQ Business Practices Subcommittee. The WGQ Business Practices Subcommittee has met several times since that time and has developed modifications to two existing standards and two new proposed standards to be considered by the WGQ Executive Committee during the May meeting. He noted that while all of the new standards developed by the WGQ Business Practices Subcommittee received the required balanced vote to move forward through the process, several of the standards had one segment vote entirely against the language. He noted that he was officially notifying the Board of Directors of the potential for a segment block when the WGQ Executive Committee considers these standards in May.

Mr. Desselle asked the rationale behind the segment block for these particular draft standards. Mr. Griffith stated that the reason the Pipeline segment has issues with a few of the standards is that it seems to be a break in precedent in previous requirements for downloads. Some of the draft standards would require going beyond the normal NAESB requirement that data be provided in total and letting other parties parse the data from the totals. All Transmission Service Providers are permitted to exceed minimum standards on a voluntary basis. The other standard the Pipeline segment voted against was the requirement to start providing Wobbe information on the pipeline bulletin boards to respond to any customer or party within ninety days. Mr. Griffith noted that the WGQ Business Practices Subcommittee appreciated the opportunity to have the second chance to develop the standards language and a great deal of progress was made during the second round of standards development meetings for this item. Ms. Van Pelt added that the pipelines feel that the standard requiring the Wobbe information interferes with the FERC request to pipelines to work with customers and interferes with proceedings that have been going on for several years.

Mr. Buccigross noted that the WGQ Executive Committee may be able to work through these issues during the May meeting as the WGQ has been able to reach consensus on many



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contentious issues in the past. For more information on this item, please see pages 92-101 of the Board book.

WGQ Gas-Electric Interdependency: Mr. Buccigross noted that the NAESB standards development to address FERC NOPRs in Docket Nos. RM96-1-027 and RM05-5-001 as well as an order instituting inquiries for ISOs and RTOs regarding gas-electric coordination issues (Docket Nos. EL07-1, EL07-2, EL07-3, EL07-4, EL07-5, and EL07-6) will be a significant effort and will likely contain several contentious issues. Ms. Davis noted that the work will not just be a matter of adding an additional nomination cycle but revision to the other WGQ standards that are tied to the existing nomination cycles. Ms. Van Pelt added that NAESB will also have to evaluate the additional of the additional cycle in light of the FERC's no bump policy for the last cycle. For more information, please see pages 42-43 of the Board book.

e-Tariff Subcommittee: Mr. Sappenfield stated that the draft minutes from the February 1, 2007 meeting, the first e-Tariff meeting, were included in the Board book on pages 102-110. The work paper provided by FERC Staff for the March 13 e-Tariff Subcommittee meeting was included on pages 111-117 of the Board book. Mr. Sappenfield stated that he is the co-chair for the e-Tariff Subcommittee for the WGQ and Ms. Daly, Arizona Public Service is the co-chair for the e-Tariff Subcommittee for the WEQ. The March 13 meeting in Houston, Texas was well attended including five FERC Staff members. The wholesale electric, wholesale gas, and oil pipeline industries were represented at the February 1 and March 13 meeting. The FERC Staff members who attended the meeting provided a great deal of help in guiding the NAESB standards development efforts. The subcommittee was assigned an action item to submit comments on draft language submitted by Mr. Sappenfield for review during the next meeting. The next e-Tariff Subcommittee meeting is scheduled on April 26, 2007 hosted by the American Gas Association in Washington, DC. Mr. Sappenfield stated that the e-Tariff Subcommittee should be able to complete this work fairly quickly especially with the participation of FERC Staff. The standards will contain requirements for what regulated entities will be submitting to the FERC along with the tariff filings. Ms. McQuade thanked Chairman Kelliher for opening the first e-Tariff meeting and for holding the first meeting at the FERC. She also noted the support from EEI and INGAA in this effort.

5. Executive Committee Reports

Standards Adopted Since the December 14, 2006 Board Meeting: Ms. McQuade reviewed page 119 of the Board book – the standards that have been adopted since the December 14 Board meeting and the Requests received since the December Board meeting on page 120 of the Board book.

Filings with the FERC: NAESB has submitted one filing with the FERC since the last Board meeting. On February 5 NAESB filed a follow-up filing to the November 16, 2006 filing to clarify the mapping of the former NERC Coordinate Interchange standards to the NAESB Coordinate Interchange standards. FERC issued a NOPR in Docket No. RM05-5-003 reflecting the changes to these Coordinate Interchange standards on February 20.

On March 27, NAESB is scheduled to meet via conference call with FERC Staff and NERC Staff regarding NAESB and NERC's work plan for Order 890 and to verify that NAESB has identified all of the items that require NAESB business practice standards development.

Executive Committee Reports and Adoption of Revisions to 2007 Annual Plans:

Wholesale Gas Quadrant: Mr. Buccigross reviewed the revisions to the WGQ 2007 Annual Plan (pages 124-127 of the Board book): addition of "Review and develop business practices



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standards to support e-Tariff program” as Item 8 and removal of this item from the Provisional Activities section of the plan.

Mr. Buccigross noted Items 1 and 1a should be revised to have a projected Completion date of 1st Q 2007 instead of 2006. Mr. Sappenfield noted that Items 5 and 6 should be changed to have a status of Underway with a 2nd Quarter 2007 Completion date.

Wholesale Electric Quadrant: Ms. York reviewed the modifications to the WEQ 2007 Annual Plan proposed by the WEQ Executive Committee included on pages 128-134 of the Board book. Among the more substantive changes: a new Item 3(b)(iv) was added - Develop enhanced Electric Industry Registry (EIR), ([R06027](#)); a new Item 4 was added - Review and develop business practices standards as applicable to address seams issues (this item was moved from the Provisional Items section); and a new Item 5 was added - Review and develop business practices standards to support e-Tariff program (this item was moved from the Provisional Items section).

Retail Quadrants: Ms. Kiselewich provided the review of the modifications to the Retail Quadrants 2007 Annual Plan posted as supplemental material for this meeting: <http://www.naesb.org/pdf2/bd032207sm1.doc>. The Status of Item 1 was changed to state that the model business practices were returned to BPS for a review of the definitions and placement in the book. The Status of Item 3(a)(i) was changed to Complete. The Status of Item 3(b) was changed to Underway. The Status of Item 8 was changed to Underway.

Mr. Lucas made a motion, seconded by Mr. Minneman, to adopt the modifications proposed for all three Annual Plans. The motion unanimously passed a simple majority vote. [Vote 2].

6. Membership and Financial Report

Ms. McQuade provided the Membership Report. She stated that there has been a net increase of nine members since year end 2006. It is the expectation that the DSM effort and Order 890 will bring new members. Almost all of the IRC members have joined the newly formed WEQ Independent Grid Operator/Planner Segment. The documentation for the Membership update can be found on pages 141-154 of the Board book.

Ms. Wishart provided the Financial Report included on pages 155-160 of the Board book. She stated that NAESB ended 2006 with a 95,000 net income, which will decrease the retained earnings at year end 2005 of negative 276,000. For year to date 2007, the balanced sheet for January has been prepared so far. There has been a net income of 907,000, which is projected to level off during the year due to many company’s membership month being January.

7. Plan for June 2007 Board Meeting

The Board agreed that the June 2007 Board Meeting would be the strategic session. Mr. Brown asked if the June meeting could be held in the western United States, perhaps in Salt Lake City or Denver. Ms. McQuade noted the financial expense of having a Board meeting along with the Leadership and Resources meeting in a town other than Houston.

8. Liaisons with External Groups

The summary of NAESB liaisons with external groups can be found on page 162 of the Board book. NAESB continues to hold Monthly Update calls every other month. These calls were created to help state commission staff and state commissioners to keep abreast of the



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standards development efforts at NAESB, however NAESB members also utilize this tool to keep updated on the latest developments as well.

9. Old and New Business

The meeting scheduled for 2007 can be found on page 164 of the Board book. Ms. McQuade thanked Mr. Stepenovitch, outgoing Chairman for 2006, for his leadership during 2006.

10. Adjourn

The meeting adjourned by consensus at 11:20 AM Central.



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10. Board Attendance (Vacancies Omitted)

Wholesale Gas Quadrant Board Members

PRODUCERS SEGMENT	ATTENDANCE	VOTE 1	VOTE 2
Jay Ellzey	Absent		
William T. Benham	Absent		
Keith Sappenfield	In Person	S	S
Pete Frost	Phone	S	S
PIPELINE SEGMENT			
Jim Goldmann	Absent		
Bill Grygar	In Person	S	S
Susanna B. Barry	In Person	S	S
Anne Bomar	Phone	S	S
Richard Kruse	Phone	S	S
LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT			
Clifton Olson	Phone	S	S
Adrian Chapman	In Person	S	S
Reed Horting	Absent		
Mike Novak	Absent		
Lee Stewart	Absent		
END USERS SEGMENT			
Valerie Crockett	In Person	S	S
Joe Stepenovitch	Absent		
Diane McVicker	In Person	S	S
Terry Morrison	Absent		
Jim Templeton	Phone	S	S
SERVICES SEGMENT			
John Bretz	Absent		
Jim Buccigross	Phone	S	S
Bill Hebenstreit	In Person	S	S
Suzanne Calcagno	Absent		



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Retail Electric Quadrant Board Members

SUPPLIERS SEGMENT	ATTENDANCE	VOTE 1	VOTE 2
Peter Kelly-Detwiler	Absent		
Richard Zelenko	In Person	S	S
DISTRIBUTORS SEGMENT			
David Koogler	In Person	S	S
Dennis Derricks	Absent		
Ruth Kiselewich	Phone	S	S
Debbie McKeever	In Person	S	S
END USERS SEGMENT			
Sonny Popowsky	Absent		
SERVICE PROVIDERS SEGMENT			
Jim Minneman	In Person	S	S
J Cade Burks	In Person	S	S

Wholesale Electric Quadrant Board Members

TRANSMISSION SEGMENT	SUB-SEGMENT	ATTENDANCE	VOTE 1	VOTE 2
Dan Klempel	Muni/Coop	In Person	S	S
W Terry Boston	Fed/State/Prov.	Phone	S	S
John E. Lucas	IOU	In Person	S	S
Michael Desselle	IOU	In Person	S	S
Terri Grabiak	at large	Phone	S	S
Ken Wiley	At-Large	Absent		
GENERATION SEGMENT				
Curtis Winterfeld	Muni/Coop	In Person	S	S
Belinda Thornton	Fed/State/Prov.	In Person	S	S
Lou Oberski	IOU	In Person	S	S



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Charles W. Severance	Manager - Supply & Wholesale Services, Wisconsin Public Service Corporation	IOU	Absent
Michael Gildea	Executive Director, Regulatory Affairs, Constellation Generation Group	Merchant	Absent
Gloria Ogenyi	Vice President Energy Policy, Connectiv Energy Supply, Inc.	Merchant	Absent
Ron Mucci	Manager - Regulatory Affairs, Williams Power Company	At-Large	In Person
MARKETERS/BROKERS SEGMENT			
Roy True	Manager of RTO Market Development, ACES Power Marketing	Muni/Coop	In Person
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Fed/State/Prov.	Absent
Michael Grim	Director of Markets and Regulation, TXU Business Services	Not IOU Affiliated	Absent
Mark Bennett	General Counsel/Director of Policy, Electric Power Supply Association	at large	Absent
Mark Klein	Vice President Commercial and Trading, PacifiCorp Energy	IOU	Absent
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	In Person
Rick Smead	Director, Navigant Consulting, Inc.	At-Large	Absent
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT			
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	In Person
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	Muni/Coop	Phone
Leonard Haynes	Executive Vice President - Supply Technologies, Renewables and Demand, Southern Company	IOU	In Person
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	Absent
Thomas Burgess	Director - FERC Compliance, FirstEnergy Service Company	at large	Absent
Joe Hartsoe	Vice President and Associate General Counsel, American Electric Power Service Corp.	at large	Phone
Bruce Ellsworth	New York State Reliability Council	At-Large	In Person
END USERS SEGMENT			
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	End Use (Self Generator)	Absent
John Reese	Senior Policy Advisor & Director of the Office of Economic Development and Policy, New York State Department of Public Service	Regulator	Absent
John A. Anderson	President and CEO, Electricity Consumers Resource Council (ELCON)	Large Industrial	Absent



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Michèhl Gent Open Access Technology International, Inc. At-Large Absent

Retail Gas Quadrant Board Members

SUPPLIERS SEGMENT	ATTENDANCE	VOTE 1	VOTE 2
Kathy Fudali Manager, Contract Administration, Sprague Energy Corp.	Absent		
DISTRIBUTORS SEGMENT			
Craig White Chief Operating Officer, Philadelphia Gas Works	Absent		
William Bourbonnais Vice President – Transmission, WPS Resources Corporation	In Person	S	S
Ralph Cleveland Senior Vice President – Engineering and Operations, AGL Resources, Inc.	Absent		
END USERS SEGMENT			
SERVICE PROVIDERS SEGMENT			
Leigh Spangler President, Latitude Technologies Inc.	Absent		
Dave Darnell President & CEO, Systrends USA	Phone	S	S
Greg Lander Principal, Commerce Energy Group	Absent		

11. Other Attendance

Name	Organization	Attendance
Gerry Adamski	NERC	In Person
Bill Boswell	NAESB	In Person
Kathryn Burch	Spectra Energy Transmission	In Person
Christopher Burden	Williams Gas Pipeline	In Person
LaRita Cormier	Court Reporter's Clearinghouse	In Person
Dale Davis	Williams Gas Pipeline	In Person
Alex DeBoissiere	Midwest ISO	In Person
Rhonda Denton	BP Energy	In Person
Bill Griffith	El Paso Natural Gas	In Person
Laura Kennedy	NAESB	In Person
Iris King	Dominion Transmission, Inc.	Phone
DeDe Kirby	NAESB	In Person
Bill Lohrman	NERC	In Person
Rob Martinko	FirstEnergy	Phone
Rae McQuade	NAESB	In Person
Ed Overtree	NAESB	In Person



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Name	Organization	Attendance
Denise Rager	NAESB	In Person
Pat Schaub	FERC	In Person
Lisa Simpkins	Constellation Energy Commodities Group	In Person
Veronica Thomason	NAESB	In Person
Kim Van Pelt	Panhandle Eastern Pipe Lines	In Person
Larry Williford	TXU Electric Delivery	In Person
Daria Wishart	NAESB	In Person
Charles Yeung	Southwest Power Pool	In Person
Kathy York	Tennessee Valley Authority	Phone
Randy Young	Gulf South Pipeline	In Person

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 4

MEETING OF THE MEMBERS

This section includes:

- Key Accomplishments in 2006
- Standards Adopted in 2006
- FERC Filings, Partnership and Liaison Update for 2006.

The material presented is background information for the discussion of agenda item 2.

No action is expected of the Board. The Board and members will have the opportunity to ask questions of the progress made by NAESB since the last annual meeting of the members.

The meeting of the members is convened to comply with Article VI, Section 3 of the NAESB Certificate:

Section 3. Written notice of the annual meeting of NAESB shall be given in such manner as is prescribed by Statute, but not less than ten (10) nor more than sixty (60) days prior to the date of the annual meeting. Notice of other meetings shall be given in a manner as may reasonably permit attendance at such meeting, but in any event in a time and manner sufficient to satisfy any statutory requirements.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS KEY ACCOMPLISHMENTS IN 2006 JUNE 28, 2007

KEY COMPLETIONS IN 2006:

- **February 7, 2006:** NERC and NAESB came to agreement on [a joint standards development template](#) that should address three areas currently outstanding: (1) the NERC comment in front of the FERC regarding three of the version 0 business practices, (2) the outstanding TLR issues noted above, (3) as well as agreements for revenue neutral publishing. An [addendum](#) was prepared by NERC on April 13 to clarify the joint agreement, which was unanimously supported by both NERC and NAESB. The NERC Board of Trustees voted unanimously to immediately implement the process between NERC and NAESB.
- **February 17, 2006:** An [update was filed with the FERC](#) which addressed 4 issues: (1) the comments filed by NERC that asked that three sets of business practices in Version 0 be remanded back to NERC, (2) the TLR process and the plans for ensuring that the business practices and the reliability standards stay closely coordinated, (3) the Inadvertent Interchange Payback report which noted that the Inadvertent Interchange business practices standards for Version 0 are to remain unchanged, and (4) a joint standards development process for NERC and NAESB. The update related to Docket No. RM05-5-000.
- **February 24, 2006:** The Board of Directors unanimously approved the [GEIC report](#) on February 17 which was subsequently filed with the FERC on February 24, 2006.
- **April 25, 2006:** [FERC Order 676](#) was issued by FERC, which was followed up along with a [NAESB press release](#) and [NAESB summary](#) of the order. The utilities are to adopt and implement the WEQ standards by July 1 with waivers to be requested by June 1.
- **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."
- **May 11, 2006:** The WGQ BPS concluded its work and presented the standards on part B of the R03035 request regarding gas quality standards for adoption by the EC. The standards were adopted by the EC. The standards report on pipeline web sites the measurement methods and any underlying assumptions that support those measurement methods for the representative points along the pipeline at which the gas quality specification is measured.
- **May 31, 2006:** A [copyright policy and list of companies](#) that have access to our standards according to the federal copyright protections was published monthly beginning in May. It was forwarded to the Managing Committee on April 15 for review and was being sent to the membership and Board on May 15 for validation. It was posted for public review on May 31, 2006 and is updated monthly.
- **June 19, 2006:** Contracts modifications were completed for the [base contract for purchase and sales of natural gas](#) to incorporate common used additional provisions and the contract was presented to the EC for vote at the July 27 meeting, adopted and ratified by membership on **September 5, 2006**.
- **August 7, 2006:** [NAESB Comments](#) on Docket Nos. RM05-25-000 and RM05-17-000: Preventing Undue Discrimination and Preference in Transmission Services. NAESB reviewed the NOPR issued in Docket Nos. RM05-25-000 and RM05-17-000 and identified potential NAESB standards development efforts. The analysis includes identification of possible NAESB standards development tasks, estimates of the level of effort for each task, and identifies possible task interdependencies.
- **September 30, 2006:** Version 1.8 of the NAESB WGQ Standards was published. Version 1.8 is comprised of several thousand pages of implementation guides, business practices, contracts and agreements, technical standards and interpretations.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS KEY ACCOMPLISHMENTS IN 2006 JUNE 28, 2007

- **October 23, 2006:** The Department of Energy released the [Sandia Surety Assessment Report to NAESB](#) for analysis and response after a yearlong project with Sandia National Laboratories.
- **November 15, 2006:** The Retail ECs adopted the retail base contract ([R05013](#)) with modifications made in the meeting.
- **December 28, 2006:** The notational ballot for WEQ Board members to vote on the creation of a sixth segment – independent grid operators/planners was due on December 28. The final vote tally was 22 in favor, 3 opposed, one abstention, and two members did not vote. The vote met the requirement of 75% of the WEQ Board members passing with at least 40% for each segment. For the quadrant procedure changes to take effect, members must ratify by 75%. The ratification ballot will be distributed to the members of the WEQ on Tuesday January 2, 2007 for a 30 day ballot period.

KEY COMPLETIONS PLANNED IN 2005 AND CARRIED OVER TO 2007:

- **First Quarter 2006:** Separation on TLR standards into version 0 business practices and reliability standards and associated FERC filings.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS STANDARDS ADOPTED AND REQUESTS RECEIVED IN 2006 JUNE 28, 2007

STANDARDS ADOPTED IN 2006

FOR THE WHOLESALE GAS QUADRANT

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



North American Energy Standards Board

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NAESB BOARD OF DIRECTORS MEETING MATERIALS STANDARDS ADOPTED AND REQUESTS RECEIVED IN 2006 JUNE 28, 2007

- **Recommendation R02003/R02004** (Add a new Capacity Release data element - Discount Indicator/Add new code values for the discount indicator in the Capacity Release Data Sets). *(Ratified on 6/23/06).*
- **Recommendation R00006** (Add twelve new code values for the Transaction Type data element in the nomination, flowing gas and invoicing related data sets). *(Ratified on 9/4/06).*
- **Recommendation R05014** (Review the current NAESB WGQ's "Base Contract for Purchase and Sale of Natural Gas" for possible update and revisions to reflect current industry practices and applicable general terms and conditions). *(Ratified on 9/4/06).*
- **Recommendation R05015** (Add language to the NAESB WGQ Implementation Guide(s) discussing the use of discretionary verbs). *(Ratified on 9/4/06).*
- **Recommendation R02008** (Add new transaction types in the Nomination (1.4.1) and Scheduled Quantity (1.4.5) data sets). *(Ratified on 12/28/06).*
- **Recommendation R03005** (Add code values for the Service Code data element in the Transportation /Sales Invoice (3.4.1). *(Ratified on 12/28/06).*
- **Recommendation R03009** (Add a Transactional category to the Informational Posting under NAESB WGQ Standard 4.3.21 and the following subcategories to NAESB WGQ Standard 4.3.23: Transactional Firm, Interruptible, Capacity Release). *(Ratified on 12/28/06).*

FOR THE RETAIL QUADRANTS

- **Recommendation R05013:** Develop a model electric retail contract. *(Ratification ballots due on 01/07/07).*
- **Retail 2006 Annual Plan Item 4(i):** Customer Enrollment model business practices. *(Ratification ballots due on 01/07/07).*

FOR THE WHOLESALE ELECTRIC QUADRANT

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



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NAESB BOARD OF DIRECTORS MEETING MATERIALS STANDARDS ADOPTED AND REQUESTS RECEIVED IN 2006 JUNE 28, 2007

- **Recommendation for WEQ 2006 Annual Plan Item (3)(c)(i) as revised by the WEQ Executive Committee:** Development of business practice for Standards of Conduct link on OASIS page; (*Ratified on 10/2/06*).
- **Recommendation R04036 as revised by the WEQ Executive Committee:** Amend definitions, terms and numbering of WEQ Order 2004 (affiliate) standards; (*Ratified on 10/2/06*).
- **Recommendation R04006D as revised by the WEQ Executive Committee:** OASIS 1A Enhancements - Sale or Assignment of Transmission Service; (*Ratified on 10/2/06*).

REQUESTS RECEIVED IN 2006 AND 2005 REQUESTS UNDER DEVELOPMENT

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.
- **R06024** – Received October 6, Submitted by Advanced Energy, Standardize Method for Quantifying Benefits, Savings, Cost Avoidance and/or the Reduction in Energy Demand Derived From the Implementation of Demand Side Management and Energy Efficiency Programs.

FOR THE WHOLESALE GAS QUADRANT

- **R06001** – Received November 1, 2005, Submitted by Kinder Morgan Add two Nomination Transaction Type codes to support the nomination and tracking of the shipping entity or producing entity on the interconnecting facility where title tracking is employed by the TSP, Assigned to the WGQ Information Requirements Subcommittee
- **R06003** – Received January 13, 2006, Submitted by Northern Plains Natural Gas, Add "Compression Use Surcharge" code value for "Surcharge Identification Code" data element, Assigned to the WGQ Information Requirements Subcommittee
- **R06004** – Received January 16, 2006, Submitted by Columbia Gas Transmission, Minor revisions to EDI Trading Partner Agreement Standard 6.3.3, Assigned to both the WGQ Contracts Subcommittee and the Retail Contracts Subcommittee.
- **R06005** – Received February 10, 2006, Submitted by El Paso Eastern Pipeline, Add "Special terms and Miscellaneous notes" as SO data element to the Transactional Reporting - Interruptible Transportation data set (5.4.22).
- **R06007** – Received April 14, 2006, Submitted by Northern Natural Gas, Add Reduction Reason code to Scheduled Quantity, Operator Scheduled Quantity and Confirmation Response.
- **R06008** – Received on May 12, 2006, Submitted by National Fuel Gas Distribution, Modify WGQ Business Practice Standard 4.3.90 to clarify that all available data at representative points should be made available by Transmission Service Providers.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS STANDARDS ADOPTED AND REQUESTS RECEIVED IN 2006 JUNE 28, 2007

- **R06009** – Received on May 15, 2006, Submitted by Tennessee Gas Pipeline Company, Develop a standard that would enhance the communications between Transportation Service Providers (TSP) and their customers pertaining to nominations related deadlines.
- **R06011** – Received on July 26, 2006, Submitted by Northern Natural Gas, Add 3 detail (contract) level and 1 sub detail (nomination) level code values to Validation Code and Message elements in Nomination Quick Response dataset.
- **R06012** – Received on July 12, 2006, Submitted by Williams Gas Pipeline, Add two (2) new code values for the data element “Transaction Type” into Transaction Datasets.
- **R06013** – Received on August 7, 2006, Submitted by Duke Energy Gas Transmission, Add code values for the Charge Type data element in the Transportation/Sales Invoice dataset.
- **R06014** – Received on August 7, 2006, Submitted by Duke Energy Gas Transmission, Add code values for the Rate Identification Code data element in the Transactional Reporting datasets.
- **R06015** – Received on August 7, 2006, Submitted by Duke Energy Gas Transmission, Add code values for the Rate Identification Code data element in the Offer Download, Bid Download, Award Download, Offer Upload, Offer Upload Quick Response, Offer Upload Notification, Bid Upload and Bid Upload Quick Response datasets.
- **R06016** – Received on August 29, 2006, Submitted by Texas Gas Transmission, LLC, Expand the processing definition for "Submit" (found in standard 4.3.69) to include the sending of records to the TSP for processing from the Form as well as the Matrix.
- **R06017** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Nomination Quick Response, standard 1.4.2, at the sub-detail level.
- **R06018** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Confirmation Response Quick Response, standard 1.4.2, at the detail level.
- **R06019** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Pre-determined Allocation Quick Response, standard 2.4.2, at the sub-detail level.
- **R06020** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Pre-determined Allocation Quick Response, standard 2.4.2, at the detail level.
- **R06021** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new code values for Transaction Type in Nomination, Scheduled Quantity, Transportation/Sales Invoice and any other applicable NAESB datasets.
- **R06022** – Received on August 30, 2006, Submitted by Texas Gas Transmission, LLC, Add new Location Quantity Type Indicator code values for Offer Download, Bid Download, Award Download, Replacement Capacity, Offer Upload, Offer Upload Notification, Operationally Available, Unsubscribed Capacity, Bid Upload, Transactional Reporting – Capacity Release, Firm Transportation, and Interruptible Transportation.
- **R06023** – Received on August 31, 2006, Submitted by Texas Gas Transmission, LLC, Add new Reduction Reason code values for Scheduled Quantity, Scheduled Quantity for Operator and any other applicable NAESB datasets.



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**NAESB BOARD OF DIRECTORS MEETING MATERIALS
 STANDARDS ADOPTED AND REQUESTS RECEIVED IN 2006
 JUNE 28, 2007**

FOR THE WHOLESALE ELECTRIC QUADRANT

- **R06002** – Received January 9, 2006, Submitted by North American Electric Reliability Council (NERC), Modify NAESB pre-split Version 0 TLR business practices to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (inclusion of market flows), Assigned to the WEQ Business Practices Subcommittee.
- **R06006** – Received February 23, 2006, Submitted by the NERC/NAESB Joint Interchange Scheduling Working Group (JISWG), Develop standards to allow for registered Market Operators to request changes to the Market Level profile of Implemented Interchange.
- **R06010** – Received May 31, 2006, Submitted by Western Electricity Coordinating Council (WECC), Modify the timing chart for the Western Interconnection in WEQ BPS-006 to an initiation of manual time error at +/-5 seconds.
- **R06025** – Received November 15, 2006, Submitted by Puget Sound Energy, Enhance WEQ 004-D, Appendix D, part A., to add an explanation for the terms “required” and “correctable”. Add a statement similar to “that unless otherwise indicated, tag data elements are not correctable and not required”. Lastly, for 1.2.1.1. Energy Product Type, make this element “required”. *(This request has not been triaged).*
- **R06026** – Received December 20, 2006, Submitted by Puget Sound Energy, Revise WEQ-004 Coordinate Interchange Business Practice Standard requirement 2.2 and the table contained in Appendix A, part B, to exempt WECC. *(This request has not been triaged).*

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 5

BOARD RESPONSIBILITY REVIEW

This section includes:

- Excerpts from the Certificate and Bylaws specific to Board Members,

The material presented is background information for the discussion of agenda item 3 and will provide context for the presentation to be given by Mr. Boswell.

No action is expected of the Board. The Board and members will have the opportunity to ask questions of General Counsel William Boswell during the presentation.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS THE WORKINGS OF NONPROFIT BOARDS – EXCERPTS FROM NAESB CERTIFICATE AND BYLAWS JUNE 28, 2007

Bill Boswell will review the workings of non-profit board and the responsibilities of the NAESB Board members. As such, excerpts from our certificate and bylaws are included for background material.

CERTIFICATE

Article II Purposes and Scope

Section 1. The objects and purposes of NAESB are to propose and adopt voluntary standards and model business practices designed to promote more competitive and efficient natural gas and electric service, as such standards apply to electronic data interchange (“EDI”) record formats and communications protocols and related business practices that streamline the transactional processes of the natural gas and electric industries.

Section 2. NAESB shall engage in any lawful activities necessary or desirable to achieve the objectives and purposes of NAESB set forth in Section 1 of this Article II to the extent consistent with the provisions of Section 501(c)(6) of the Internal Revenue Code of 1986 (or any corresponding provision of any future revenue law) and the regulations promulgated thereunder (as they now exist or as they may be amended in the future, the “Code”).

Section 3. NAESB shall be a non-profit organization qualifying under Section 501 (c) (6) of the Code and shall not have the authority to issue capital stock.

Section 4. NAESB shall not have any formal relationship with any regulatory agency. NAESB shall not have an advocacy role regarding its standards before the FERC or any other regulatory agency.

Article III: Organization and Management

Section 1. The business and affairs of NAESB shall be managed by the Board of Directors except to the extent that specific powers and duties are conferred upon the Executive Committee by this Certificate. The Board of Directors may delegate additional powers to the Executive Committee, provided that the Board of Directors may not delegate its power to approve an amendment of the Certificate of Incorporation, a merger or consolidation, a sale of substantially all the assets or dissolution of NAESB, or amendment of the By-Laws.

Section 2. The Board of Directors and Executive Committee members shall be elected for such terms as provided in the By-Laws. The number of members of the Board of Directors and Executive Committee shall as provided in the By-Laws. There may be as many as four Quadrants and each Quadrant shall be composed of industry Segments.. The members of each Segment shall vote separately for the election of Directors and Executive Committee members for such Segment pursuant to procedures set forth in the By-Laws.

Section 3. Each representative of the Board of Directors and the Executive Committee shall have one vote. Neither the Board of Directors nor the Executive Committee shall allow substitutes for any member thereof at their respective meetings; provided, however, that, as provided in the By-Laws, the Executive Committee may have designated alternates as selected by their segment. The Board of Directors and Executive Committee shall further establish procedures for notational voting, attendance by telephone or video conferencing, and determination of quorums. These procedures shall be included in, or attached to, the By-Laws. The Board of Directors and the Executive Committee shall each elect a chairman from among their own members. The Chairman of the Board of Directors may request that any vote or action be taken by the Board of Directors without a meeting and without unanimous consent, and such action may be taken if approved by the appropriate voting levels specified in Article V. The Chairman of the Executive Committee may request that any vote or action be taken by the Executive Committee without a meeting and without unanimous consent, and such action may be taken if approved by the appropriate voting levels specified in Article V.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS THE WORKINGS OF NONPROFIT BOARDS – EXCERPTS FROM NAESB CERTIFICATE AND BYLAWS JUNE 28, 2007

Section 4. Among its other duties of governance, the Board of Directors shall be responsible for approving the budget and Annual Plan(s), initiating and recommending charter changes, maintaining contacts within the natural gas and electric industries and with government agencies, and selecting counsel and the external auditor for NAESB. The Board of Directors shall also have the authority to adopt and amend the By-Laws pursuant to Section 5 of Article V.

Section 6. The personal liability of the members of the Board of Directors and the Executive Committee, and such other persons acting for NAESB, to the extent applicable under the Statute, is hereby eliminated to the fullest extent permitted by Section 102(b)(7) of the Statute, as the same may be amended and supplemented.

Any person who is or was a director, officer, agent, or employee of NAESB, or is or was serving, at the request of NAESB, as a director, officer, agent, or employee of another corporation, trust, or enterprise, shall be entitled to be indemnified by NAESB to the fullest extent now or hereafter permitted by the Statute in connection with any actual or threatened action or proceeding (including civil, criminal, administrative or investigative proceedings) arising out of their service to such entity. The indemnification provided by this Article shall not be deemed exclusive of any other rights to which an indemnified person may be entitled under any by-law, agreement, insurance policy, or otherwise.

Article V: Voting

Section 3. An affirmative vote of at least seventy-five percent (75%) from the Board, including an affirmative vote of at least forty percent (40%) from Directors representing each Segment within each Quadrant, which vote must be ratified by a ninety percent (90%) affirmative vote of the general membership, shall be required to approve an amendment of this Certificate, including NAESB's scope and purposes described in Article II, to continue NAESB pursuant to Section 2 of Article I, to expand or contract the activities of NAESB pursuant to Section 3 of Article I and to consolidate the functions of the Board of Directors and the Executive Committee pursuant to Section 4 of Article I. No quorum of the members shall be required for such votes.

Section 6. A vote of at least seventy-five percent (75%) from the Board, including an affirmative vote of at least forty percent (40%) from the Directors representing each Segment within each Quadrant, shall be required to determine how to fund a budget deficit or to establish or modify a promotional dues program.

BYLAWS

Article 7: Board

Section 7.1 Board: The business and affairs of NAESB shall be managed by the Board. The powers of NAESB shall be exercised by, or under the authority of, the Board except as otherwise provided by statute, the Certificate or these Bylaws. Specific powers and duties are delegated to the EC by Article III, Section 5 of the Certificate. The Board may delegate such other powers to the EC, as it deems appropriate if such delegation is consistent with the Certificate.

Section 7.2 Qualifications of Directors: Each Director shall be a natural person at least eighteen (18) years of age who need not be a resident of Delaware and who shall be a Voting Member, or a partner in, or an officer, employee or agent of, a Voting Member.

Section 7.3 Number and Election of Directors: The Board shall consist of representatives of the Quadrants, each Quadrant determining the number of Directors who shall occupy seats on the Board, except that every Segment of a Quadrant shall be represented by at least one Director. Regardless of the number of Directors elected from each Quadrant, no Quadrant shall be entitled to cast a vote greater than the percentage that its Quadrant represents in relation to the total number of Quadrants represented on the Board at a given time. Each Segment within a Quadrant shall be



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NAESB BOARD OF DIRECTORS MEETING MATERIALS
THE WORKINGS OF NONPROFIT BOARDS – EXCERPTS FROM NAESB CERTIFICATE AND BYLAWS
JUNE 28, 2007

represented by an equal number of Directors, to be determined by that Quadrant. The procedures for electing the Directors shall be as specified in each Quadrant's Exhibit. Each Quadrant shall communicate the timing of its election of Directors.

Section 7.4 Term of Office: (a) The term of office of a Director shall be for a period set by the Quadrant, not less than 1 year, not to exceed three years. Quadrants may elect Directors for varying terms. Directors may be reelected to subsequent terms. (b) Each Director shall hold office during his or her term until the earliest of: (i) the expiration of the term for which he or she was elected and until his or her successor has been elected and qualified, (ii) the Director's resignation of his or her Voting Membership (if the Director is the Voting Member as an individual) or the lapse of the Director's Voting Membership for delinquency in membership fee payment, (iii) the resignation or lapse (through delinquency in membership fee payment) of Voting Membership of the entity of which the Director is a partner, officer, employee or agent, or (iv) the Director's death, resignation, or removal.

Section 7.5 Vacancies: Vacancies in the Board resulting from the circumstances described in Subsections 7.4(b)(ii), (iii) or (iv) above shall be filled by the Quadrant and Segment in which the vacancy occurs, in accordance with the procedures specified in that Quadrant's Exhibit.

Section 7.6 Removal of Directors: Procedures for removal of Directors representing a Quadrant and Segment are contained in the pertinent Exhibit.

Section 7.7 Resignations: Any Director may resign at any time by giving written notice to the Secretary. The resignation shall be effective upon receipt by NAESB or at such subsequent time as may be specified in the notice of resignation.

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 6

STRATEGIC SESSION

This section includes:

- To support the DSM-EE discussion, a DSM-EE summary of meetings, distribution list and work plan
- To support the Retail gas and electric direction post 2007 – the 2007 Retail Annual Plan
- To support the gas quality activities – the recent standards approved
- To support the Order 890 efforts and coordination with NERC – the Order 890 matrix and NAESB work plan
- To support the E-tariff efforts – an eTariff summary of meetings, distribution list and direction underway
- To support the gas-electric interdependency status – FERC actions were taken on June 21 as part of the consent agenda, but have not yet been released. The NOPR and the two final actions from NAESB are provided for discussion purposes.

The material presented is background information for the discussion of agenda item 4. During the discussion, three questions should be kept in mind so that the results can assist in preparing the 2008 plans for the organization:

- Where should we focus our attention in standards development?
- Are our standards developed responsive to industry needs?
- Are our standards having the expected results in the market?

No voting action is expected of the Board, guests and members.



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**NAESB BOARD OF DIRECTORS MEETING MATERIALS
 NAESB DSM-EE MEETING SUMMARY
 JUNE 28, 2007**

DSM-EE PROJECT – ASSIGNED TO RETAIL GAS, RETAIL ELECTRIC AND WHOLESALE ELECTRIC:

- **April 11, 2007:** Several representatives of the NAESB WEQ, REQ, and RGQ as well as representatives of the US Department of Energy, US Environmental Protection Agency, FERC, and other industry experts met at the Department of Energy offices in Washington, D.C. to discuss the NAESB effort to draft business practices for Demand Side Management and Energy Efficiency. Ongoing Energy Efficiency and DSM projects and programs by other groups (such as NAPEE) were reviewed by the meeting attendees. The following resolution outlines the scope of the initial effort by NAESB to draft business practice standards for these topics: It was decided that NAESB should begin its standards development focus on measurement and verification of energy savings and peak demand reduction from both a wholesale and retail electric market perspective. A future schedule of meetings for DSM and Energy Efficiency should be posted on the NAESB website shortly.
- **May 24, 2007:** 75 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants (22% more than the first meeting) met in person and by conference telephone at NAESB headquarters in Houston to refine the scope of Phase 1 activities, agreeing on a specific list of tasks and assigning subgroups of volunteers to work on each task. At this meeting, no less than 28 individuals spoke to the group.
- **June 18, 2007:** 51 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants met in person and by conference telephone at BGE offices in Baltimore to further refine the scope of Phase 1 activities by reviewing the initial task list and revising it with more detailed deliverable requirements and dates, and with identification of base documents to support completing each task.
- **Planned, July 26, 2007:** Meeting hosted by AGA in Washington DC.
- **Planned, September 25, 2007:** Meeting hosted by ERCOT in Austin.
- **Planned, November 30, 2007:** Meeting hosted by Dominion in Richmond.



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NAESB Wholesale Electric Quadrant Members
 NAESB Retail Gas Quadrant Members
 NAESB Retail Electric Quadrant Members

Roy True, ACES Power Marketing
 Carl L. Wilkins, Advanced Energy
 Barbara Alexander, Agt, Maine Office of Public Advocate
 H. Neal Allen, Alabama Power Company
 Judy W. Ray, Alabama Power Company
 David P. Johnson, Allegheny Energy, Inc.
 Jason J. Wojciechowicz, Allegheny Power
 Lonni Dieck, American Electric Power
 Sherri Monteith, American Electric Power
 Mariam Arnaout, American Gas Association (AGA)
 Paula Gant, American Gas Association (AGA)
 Allen Mosher, American Public Power Association
 S. Balakrishnan, ANB Enterprises Inc.
 Meg Matt, Association of Energy Services Professionals (AESP)
 Ruth Kiselewich, Baltimore Gas & Electric
 Phillip R. Precht, Baltimore Gas & Electric Co.
 Yolanda Mason, Bayboro EC, Inc.
 Cheryl Hindes, BGE Constellation Energy
 Ken Keating, BPA
 Damon Xenopoulos, Brickfield, Burchette, Ritts & Stone, PC
 The Honorable Dian Grueneich, Commissioner, California
 Public Utilities Commission
 Michelle Michot Foss, Center for Energy Economics, University
 of Texas at Austin
 Glenn Garland, CLEAResult Incorporated
 John Oyhenart, CLEAResult Incorporated
 Dan Ellis, Climate Master
 Richard Sallee, Climate Master
 Jeff Hein, Colorado Public Utilities Commission
 Jim Templeton, Comprehensive Energy Services
 Blake Morrison, ComVerge
 Marc Hoffman, Consortium for Energy Efficiency
 Monica Nevius, Consortium on Energy Efficiency
 Gregory M. Urbin, Constellation NewEnergy
 Teri L. Van Sumeren, Consumers Energy Company

Daniel Cleverdon, DC PSC
 Michael R. Flores, Direct Energy
 DeDe Kirby, Direct Energy
 Chuck Moore, Direct Energy
 Jamie Wimberly, Distributed Energy Financial Group LLC
 Ben Boyd, Distribution Control Systems, Inc.
 Robert Burnette, Dominion
 David Koogler, Dominion
 Richard Zelenko, Dominion Retail Inc.
 Mary Edwards, Dominion Virginia Power
 J. Clayton Crouch, Dominion Virginia Power/North Carolina
 Power
 Dan Jones, Duke Energy
 Walt Yeager, Duke Energy
 Mary Anne Brelinsky, Eagle Energy Partners
 Cade Burks, EC Power
 Eric Ackerman, Edison Electric Institute
 Melissa Lauderdale, Edison Electric Institute
 Diane Munns, Edison Electric Institute
 Steven Rosenstock, Edison Electric Institute
 Abraham Raher, Efficiency Valuation Organization
 Mark Bennett, Electric Power Supply Association
 Jack Cashin, Electric Power Supply Association
 Steve Krein, Electric Reliability Council of Texas
 Phil Bisesi, ElectricCities of NC
 John Hughes, Electricity Consumers Resource Council
 (ELCON)
 Ren Orans, Energy and Environmental Economics, Inc.
 Jason Fordney, Energy Daily
 Marjorie Perlman, Energy East Management
 Tom Gianneschi, Energy Regulatory Affairs, Alcoa, Inc.
 George M. Behr, Energy Services Group
 Fred Gordon, Energy Trust of Oregon
 Phil Giudice, EnerNOC
 Tim Healy, EnerNOC
 Terry Sick, EnerNOC, Inc.
 Ed Davis, Entergy
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 Mary Beth Tighe, Federal Energy Regulatory Commission
 The Honorable Jon Wellinoff, Commissioner, Federal Energy Regulatory Commission
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 Robert Mason, GoodCents
 Thomas McMahon, Honeywell Utility Solutions
 Val Jensen, ICF International
 David Meisegeier, ICF International
 David Pickles, ICF International
 Marvin Rosenberg, Independent
 Ilze Ruskis, Integrys Energy Group, Inc.
 Bill Bourbonnais, Integrys Energy Services, Inc.
 Dennis M. Derricks, Integrys Group
 David LaPlante, ISO New England
 Robert Burke, ISO New England Inc.
 Robert Laurita, ISO New England Inc.
 Eric Winkler, ISO New England Inc.
 Henry Yoshimura, ISO New England Inc.
 Daniel Waintroob, KEMA Services
 Mimi Goldberg, Kema/Xnergy
 Liz Hicks, Kema/Xnergy
 Chuck Goldman, Lawrence Berkeley National Laboratory
 Mark R. Bowen, Lockheed Martin Information Technology
 Patrick McCarthy, Lockheed Martin Information Technology
 Denis Bergeron, Maine Public Utilities Commission
 Katherine Johnson, Market Development Group/Peak Load Management Alliance (PLMA)
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June 18, 2007

TO: NAESB DSM-EE Distribution List -- Updated
FROM: Rae McQuade
RE: Meeting Decisions and Assignments from DSM-EE Meeting, May 24, 2007 as revised on June 18, 2007

1st Phase Scope: The scope of the first phase of NAESB DSM-EE work to develop model business practices and business practice standards was refined into two areas that would address common elements and scope to assess load impacts of demand side resources. The original scope was defined in the NAESB April 11 meeting as: *A phased approach with a scope to develop business practices to support measurement and verification of energy savings and peak demand reduction from both a wholesale and retail electric market perspective, addressing quantities – not prices.*

Wholesale Effort: Develop wholesale market business practice standards for M&V of the contributions by demand resources, as applied to ISOs, Wholesale Markets and state level control areas, and focused on energy, capacity, ancillary services, emergency as applied to the wholesale market or its equivalent.

Task	Volunteers/Deliverables/Dates	Resource Documents ¹	Approach/Status
1 Review M&V protocols of existing DR programs and ancillary service markets at ISO/RTOs and non organized markets <ul style="list-style-type: none"> • Create matrix of M&V protocols to compare • Census of all M&V protocols for DR • Do not include EE at this time • Identify specific areas of M&V protocols to be reviewed • Cross reference protocols/M&V practices with program 	Steve Isser, Robert King, Julie Michaels, Mark Lauby <i>Expected first draft by July meeting, which would be used as input to survey/interviews.</i>	Presentation from the MISO DR Working Group Meeting in March 2007 - http://www.naesb.org/pdf2/dsmee061807w2.pdf IEA DSM Annual Report 2005 - http://www.naesb.org/pdf2/dsmee061807w4.pdf IPMVP Concepts and Options for Energy Savings - http://www.naesb.org/pdf2/dsmee061807w5.pdf Ontario Power Authority Conservation and Demand Management program - http://www.naesb.org/pdf2/dsmee061807w18.pdf Survey of Energy Efficiency EM&V Final May 2007 - http://www.naesb.org/pdf2/dsmee061807w19.pdf Best Practices Benchmarking for Energy Efficiency Programs - http://www.eebestpractices.com/ EE Best Practices - The Methodology Chapter - http://www.eebestpractices.com/pdf/methodology.pdf California Measurement Advisory Council (CALMAC) Publication Database -	Several work papers have been provided that can serve as the basis for reviewing existing M&V protocols for possible identification of business practice standards.

¹ All work papers are posted, "w#" in the link name indicates the order in which the paper is posted on the web site for 6-18-07 meeting



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			<p>http://www.calmac.org/ CADMAC Protocols - http://www.cee1.org/eval/clearinghouse.php3 NEEP Protocols Report - http://www.neep.org/files/Protocols_report.pdf <i>Possible resource documents:</i> Relevant ERCOT reports may be forthcoming Relevant ISO NE reports may be forthcoming</p>	
2	<p>Survey or interview ISOs on lessons learned that would further influence, modify or enhance M&V practices and would support the creation of new demand response products.</p>	<p>Paul Wattles, Rae McQuade Proceed in a parallel path to items 1 and 2. <i>Begin draft of questions for July meeting.</i></p>	<p>Presentation from the MISO DR Working Group Meeting in March 2007 - http://www.naesb.org/pdf2/dsmee061807w2.pdf "ISO/RTO Demand Response Programs -" http://www.naesb.org/pdf2/dsmee061807w3.pdf</p>	<p>The papers in item 1&2 can serve as the basis for a questionnaire to be sent to the ISOs and RTOs. The survey questions should be set to provide comparable answers across regions.</p>
3	<p>Survey existing and potential Demand Response participants in organized and non-organized regions on experiences with M&V practices.</p> <ul style="list-style-type: none"> Share experiences of existing M&V practices that either promote or inhibit participation in demand response programs and identify commonalities with other M&V practices. Identify how M&V practices have influenced participation in programs 	<p>Roy True, Rae McQuade, representative from Southern Company, John Hughes, Gary Kajander. <i>Begin draft of questions for July meeting and identify who should receive the survey.</i></p>	<p>The above report is in draft form and may be updated prior to the meeting in July.</p>	<p>The surveys or interviews may be addressed to relevant industry and trade associations to permit broad coverage of interests with fewer interviews or surveys conducted.</p>
4	<p>Identify areas of non-commonality and if they are due to regional differences or due to employing different methodologies</p>	<p>TBD (please note that this item is dependent on completion of items 1-3)</p>		
5	<p>Identify common elements that may be recommended for a national standard</p>	<p>TBD (please note that this item is dependent on completion of items 1-3)</p>		



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Retail Effort: Develop of retail model business practices for energy efficiency and demand response for utilities as applied to vertically integrated utilities and distribution companies, public power companies and large municipalities for planning and implementation, measurement and after the fact assessment. The effort is focused on energy, capacity and emergency as applied to the retail markets.

Challenges: (1) Level of disaggregation – 15 to 20 states have developed programs for energy efficiency. Audience should be the states that have not adopted existing programs, (2) Significant variance, (3) More diverse audience than present in the wholesale market.

Task	Volunteers/Deliverables/Dates	Resource Documents	Approach/Status
1	<p>Steve Rosenstock, Ed Overtree, Cade Burks</p> <p><i>Identify issues/questions from the resource documents with preliminary ranking from the papers that may yield MBPs, with sample MBPs – with a draft expected in July.</i></p>	<p>Study by ACEEE on "Examining the Peak Demand Impacts of Energy Efficiency: Review of Program Experience and Industry Practices" - http://www.naesb.org/pdf2/dsmee061807w1.pdf</p> <p>Virginia State corporation Commission Order - http://www/naesn/org/pdf2/dsmee061807w10.pdf</p> <p>"Energy Efficiency Action Plan Reports" - http://www/naesn/org/pdf2/dsmee061807w11.doc</p> <p>"ACEEE Reports" - http://www/naesn/org/pdf2/dsmee061807w12.doc</p> <p>"LBNL Reports" - http://www/naesn/org/pdf2/dsmee061807w13.doc</p>	<p>Work papers have been provided that can serve as the basis for reviewing existing M&V protocols for possible identification of business practice standards.</p>



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2	<p>Conduct survey of state utility programs NARUC, NASUCA, ELCON, AISI, retail commodity providers et al (could be conducted with Item 1 (3 and 4) above)</p> <p>The survey should focus on M&V programs and experience with these programs including gaps or impediments. Additionally, are there programs for which M&V protocols should be developed where they do not exist?</p> <ul style="list-style-type: none"> • How is the program administered? • Policy versus cost implications: Why does a state use it? • What are the best practices? • Determine if the framework can be defined during this survey for phases 2 and 3. • For the survey, the responses should indicate the programs being referenced. • The survey should present ranges of options to allow for flexibility, with common definitions. • Prior to finalizing the survey, the state regulatory community should review the survey. • As the survey is being prepared, issues should be reviewed to determine if there is coordination and possible convergence of federal/state/regional boundaries – and possibly across wholesale and retail programs. 	<p>David Pickles, David Koogler, Rae McQuade, Barbara Alexander, Ollie Frazier</p> <p><i>Draft survey including draft questions and test online environment for survey by July meeting</i></p>	<p>Maine PUC Energy Conservation Programs - http://www.naesb.org/pdf2/dsmee061807w7.doc</p>	<p>The papers in item 1 can serve as the basis for a questionnaire to be sent to the audience noted. Other approaches may be defined on June 18.</p>
3	<p>Identify areas of non-commonality and if they are due to regional differences or due to employing different methodologies</p>	<p>TBD (please note that this item is dependent on completion of items 1-2)</p>	<p>TBD (please note that this item is dependent on completion of items 1-2)</p>	<p>TBD (please note that this item is dependent on completion of items 1-2)</p>
4	<p>Identify common elements that may be recommended for development of model business practices</p>	<p>TBD (please note that this item is dependent on completion of items 1-2)</p>	<p>TBD (please note that this item is dependent on completion of items 1-2)</p>	<p>TBD (please note that this item is dependent on completion of items 1-2)</p>



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Joint Wholesale and Retail Effort: Develop business practice standards that may be equally applicable to both wholesale and retail markets				
Task	Volunteers/Deliverables/Dates	Resource Documents	Approach/Status	
1A	<p>Define common terminology: Examples of common terminology include: •Energy Efficiency, Distributed Generation, Demand Resources, Conservation, Load Management, NAESB Model Business Practice and Standard, Planning, Ancillary Services (7-8 services in each market), Emergency Programs, Program, market, measure & activity and individual components, Baseline, Measurement and Verification (Validation??)</p> <p>Should we take the definitions already worked on as a stand alone glossary combining into a single document all definitions submitted?</p> <p>Rank importance of terms</p> <p>Be aware that some of the definitions are approved by FERC and in tariffs.</p> <p>Identify source of the definition. (FERC, ISO protocols, etc.)</p>	<p>Ruth Kiselewich, Eric Winkler (ISO-NE), Roy True, Barb Alexander, Greg Urbin, Ollie Frazier, Cherie Gregoire, David Kelly , Phil Precht</p> <p><i>Prepare draft glossary for discussion in July</i></p>	<p>Vermont 2005 Annual Report - http://www.naesb.org/pdf2/dsmee061807w6.pdf</p> <p>Retail Terminology for DSM - http://www.naesb.org/pdf2/dsmee061807w9.doc</p> <p>ISO-NE Draft Definitions - http://www.naesb.org/pdf2/dsmee061807w8.doc</p> <p>Draft Definitions submitted by Constellation - http://www.naesb.org/pdf2/dsmee061807w14.pdf</p> <p>NYSERDA Glossary of Terms - http://www.naesb.org/pdf2/dsmee061807w17.doc</p>	<p>Several drafts of data dictionaries and an annual report, which includes definitions, have been provided to begin the creation of a glossary.</p>
1B				
2	Reach out to others for support on the assignment	David Pickles et al		
3	Reach out to others for participation in the meetings.	All		
4	Identify relevant papers and send links to the NAESB office.	All		

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June 18, 2007

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NORTH AMERICAN ENERGY STANDARDS BOARD

2007 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors on March 22, 2007 with Recommended Changes from the Retail ECs on May 9, 2007

Item Number & Description	Completion ²	Assignment
1 Billing & Payment		
Develop additional model business practices for reversal and reissue, transformer loss factors, budget billing and payment plans, and missed bill windows	1 st Q 2007	IR
Status: Complete		
2 Electronic Retail Billing.		
Develop Technical Electronic Implementation Standards – Electronic Retail Billing	2 nd Q 2007	TEIS
Status: Underway		
3 Customer Enrollment, Drop and Account Information Change		
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.	2 nd Q 2007	BPS
i) Customer Enrollment	2 nd Q 2007	BPS
Status: Complete		
ii) Customer Drop	1 st Q 2007	BPS
Status: Complete		
iii) Account Information Change	2 nd Q 2007	BPS
Status: Complete		
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.	3 rd Q 2007	IR
Status: Underway		
c. Develop Technical Electronic Implementation Standards – Customer Enrollment, Drop and Account Information Change,	4 th Q 2007	TEIS
Status: Not Started		
4 Customer Enrollment, Drop and Account Information Change Using a Registration Agent		
Develop practices when using a Registration Agent for submitting and receiving, processing and fulfilling a Customer's request to enroll with or leave a Supplier (including Suppliers dropping Customers) and for maintaining current Customer account information, and for notifying affected parties.		
i) Customer Enrollment	3 rd Q 2007	Texas Task Force/ BPS
Status: Underway		
ii) Customer Drop	4 th Q 2007	Texas Task Force/ BPS
Status: Not Started		



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NORTH AMERICAN ENERGY STANDARDS BOARD

2007 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors on March 22, 2007 with Recommended Changes from the Retail ECs on May 9, 2007

Item Number & Description	Completion ²	Assignment
iii) Account Information Change Status: Not Started	1 st Q 2008	Texas Task Force/ BPS
5 Customer Information Develop additional model business practices for Customer Information Status: Underway	2008	BPS
6 Customer Inquiries Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. Status: Not Started. Delayed to 2008 for completion because the registration agent model is separate from customer enrollments.	2008	BPS
7 Prepare a joint analysis with the WGQ for AS2 and AS3 protocols as compared to the NAESB IET. Status: Underway	4 th Q 2007	TEIS & WGQ EDM
8 Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. Status: Not Started	TBD	TEIS
9 Address issues raised in the Department of Energy's Sandia National Laboratories on NAESB technical standards and respond to the surety assessment findings and recommendations. Status: Underway	4 th Q 2007	BPS/TEIS
10 Consider and develop as needed model business practices to support Gas Design Day Forecast ¹ Status: Not Started. A reach out to the SGA and AGA for subject matter experts will be undertaken first, before the group is populated.	TBD	RGQ - Gas Design Day Task Force
11 Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program. Status: Underway	2008	Joint WEQ/Retail DSM Subcommittee

¹ Reach out to SGA and AGA for subject matter experts.



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Approved by the Board of Directors on March 22, 2007 with Recommended Changes from the Retail ECs on May 9, 2007

Item Number & Description	Completion ²	Assignment
Program of Standards Maintenance & Fully Staffed Standards Work²		
Business Practice Requests	Ongoing	Assigned by the EC ³
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC ⁴
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC ⁴
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC ⁴
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

Provisional Activities

Joint Effort:

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

Modify TPA as necessary.

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

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

Review existing body of model business practices for applicability to registration agents and develop model business practices as needed.

Retail Electric Quadrant Effort Only:

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

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

Retail Gas Quadrant Effort Only:

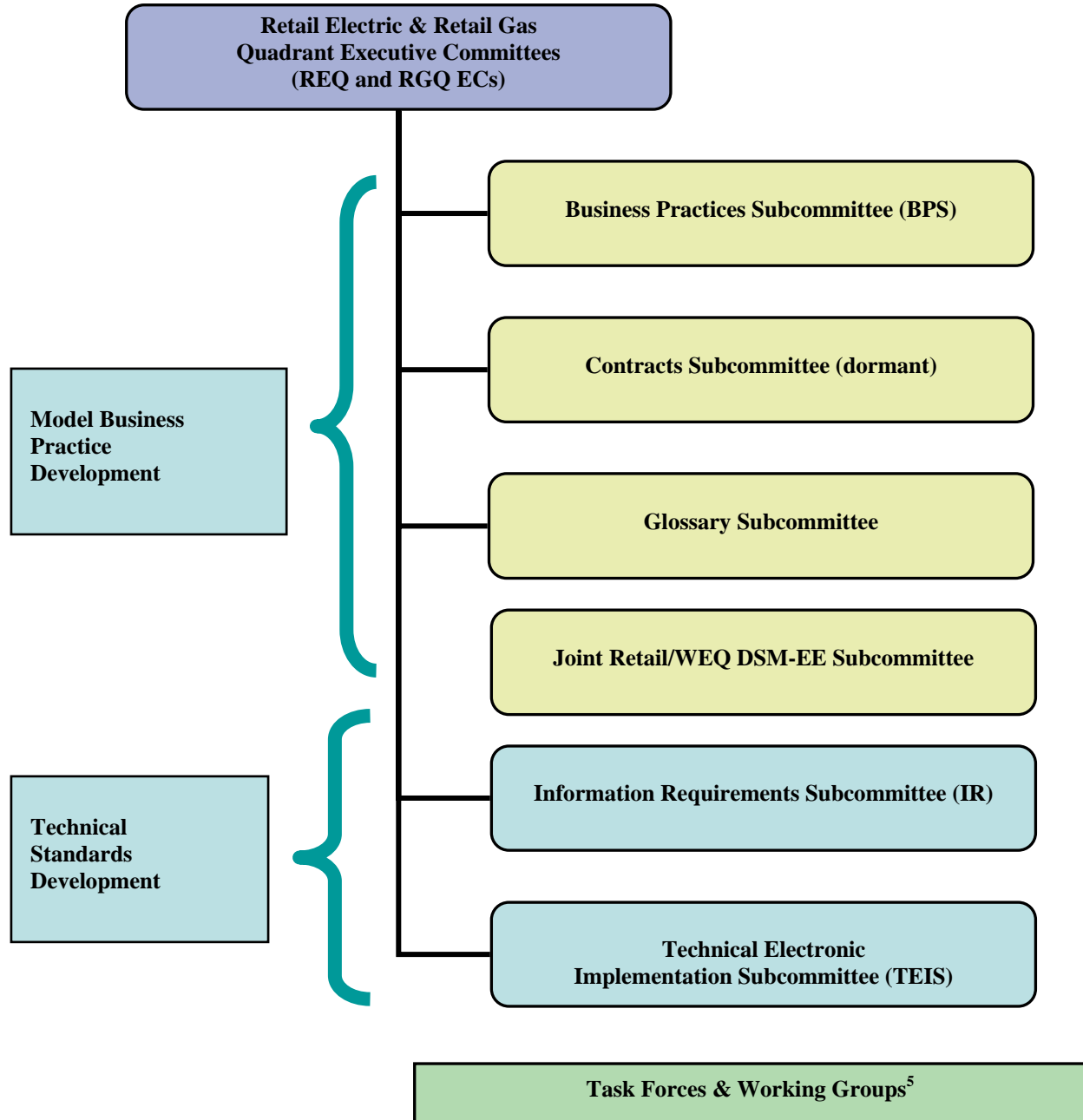
Examine Wholesale Gas Quadrant Non-EDM Standards for applicability to retail business practices.

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



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NAESB Retail Subcommittee Leadership:

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



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

⁴ The REQ and RGQ ECs will assign maintenance efforts on a request by request basis.

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



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1. Gas Design Day Forecast

Submitted by Ralph Cleveland, Senior Vice President | Engineering and Operations, AGL Resources

From: Ralph Cleveland [mailto:rcleve@aglresources.com]

Sent: Tuesday, October 10, 2006 5:13 PM

To: naesb@naesb.org

Subject: Gas Design Day Forecasting Standard

The following are the concepts around which it would be helpful to have an industry standard as to reasonable and acceptable modeling or methodology approach. I'm not sure how a proposal is usually structured, but I wanted to get this to NAESB today. This should be a good start. AGA and SGA have done some work through surveys and conferences to identify industry practice. For regulatory reasons, I think they have avoided attempting to say that there are established "best practices". We have some AGA/SGA survey results, if you would like to see them. If this is not what you were looking for, please let me know.

1. Number of years history considered in arriving at the design temperature (coldest in X years)
2. Acceptable independent variable besides same day temperature used in analysis (prior day temp, wind speed, etc)
3. Reasonable historical load / temperature analysis approach used to forecast future design (regression analysis, average load per HDD on cold days, etc)
4. Approach at removing outlier data from historical data sets
5. Acceptable R², MAPE or other statistical measure or forecast accuracy
6. Method for accessing potential design day forecast error (capacity reserve margin, forecast adder, etc)
7. Methodology to project design period load shape (multiple design days, historic design period temperatures, statistical approach)
8. Assumptions associated with on-system facility derate or pipeline capacity proration on design day.

RESOLUTION 11-15-06: Added to 2007 Annual Plan-- Reach out to SGA and AGA for subject matter experts will be undertaken.

2. Northeast Regional Best Practices

Submitted by Phil Precht, BG&E

Excerpt from "Restructuring Today": A major effort in that direction is a push to stimulate and activate pro-markets members of the legislature at a two day meeting set for Wilmington Oct 24-25 at the Doubletree Hotel. NEMA is behind the move. It's relying on pro-markets members of legislatures in Delaware, Pennsylvania and possibly Connecticut for a leadership round table and regulatory workshop to meet in Wilmington. James Lester of the Delaware PSC is a key speaker along with James Cawley who is the vice chair in Harrisburg. Several state legislators are to speak. Craig Goodman reports that business backers are happy to have marketers coming into Delaware to compete to supply the market. He's invited commissioners and staff from Delaware, Pennsylvania, New York and Connecticut to point out the best practices in the region. One subject of course will be the successes in New York and how to apply those best practices to other states. A major goal is not just copying New York's success but making the progress regional. Goodman thinks that would drive prices in the region down, lower the acquisition costs and bring economies of scale to the marketplace. Day one right now is best practices and day two is how to get there (implementation).

RESOLUTION 11-15-06: Not added to 2007 Annual Plan at this time – outreach to Craig Goodman first for feasibility.



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3. Demand Side Response

Submitted by George Behr, Energy Services Group

PJM is discussing demand side response and metering. They have a 'curtailment service provider' program that might benefit from NAESB standards. There are both wholesale and retail implications.

RESOLUTION 11-15-06: Combined with item 4 below.

4. Standardized Method for Quantifying Benefits, Savings, Cost Avoidance and/or the Reduction in Energy Demand Derived From the Implementation of Demand Side Management and Energy Efficiency Programs

Submitted by Carl Wilkins, Advanced Energy

LETTER:

Dear Ms. McQuade: Attached is a request for initiation of a NAESB business practice standard as described in your September 11, 2006, memo. We were advised by one of your board members, Mr. David Koogler with Dominion Power, to submit a request. Mr. Koogler was present when we gave our annual report to the N.C. Utilities Commission. He took note that we were challenged by one of the Commissioners to quantify more of the benefits that North Carolina and other states were enjoying as result of the work we do with energy utilization and market transformation. Advanced Energy is an independent non-profit that was chartered by the N.C. Utilities Commission in 1980 to work with electric utilities, in part, to develop and demand side management (DSM) and energy efficiency (EE) programs. Since 1980 Advanced Energy has been doing public benefits work to enhance how North Carolina businesses and individuals use energy. Recently we have been asked to assess the statewide potential for DSM and EE. It has been some time since these subjects have been discussed in regulatory and public settings, especially as it pertains to the need for future electricity generation. We have a long-standing relationship with utilities and appreciate their support and collaboration on many issues affecting energy utilization in our state. The Public Staff of the N.C. Utilities Commission is an ally and recently recommended that we advise the N.C. Utilities Commission as to how we would manage a statewide Public Benefits Fund specifically for DSM and EE. Other than the west coast, the northeast or selected mid-western states, the body of knowledge about DSM and EE has grown stale. Furthermore, a lot has changed with respect to the way homes and business and industry use energy since DSM and EE were in vogue in the 80s and early 90s. Many states and other jurisdictions lack the expertise and experience to evaluate and plan new programs. We heard that NAESB has an excellent reputation in the development of standards and felt that this area might be an area that fit NAESB's mission. Please contact me with any questions regarding our attached request. Sincerely, Carl L. Wilkins, P.E., Director, Utility Services

REQUEST:

Efforts are underway throughout the electricity industry to develop and implement demand side management measures and techniques in order to moderate the growth for electricity. However, a standardized method for quantifying the energy and demand impact of implementing proposed demand side management techniques does not exist. Entities involved in these activities are using a wide variety of methods to estimate the benefits of these programs. As various utilities across the nation look at implementing DSM and EE measures, it is evident that results may vary depending on many factors that are localized and at the discretion of the evaluating entity. On the other hand there are fairly standardized techniques for evaluating and presenting the benefits and costs for a supply side option. As regulatory commissions investigate utility integrated resource plans, the development and presentation of the DSM and EE options are vigorously challenged by interveners as being incomplete, inconsistent and not treated as fairly as supply side options. Furthermore, utilities recognize the uncertainty of some proposed demand side options because they lack standardized quantitative justification which may address issues such as program persistence and other variables out of the DSM/EE program's control. DSM and EE programs often fail to pass cost effectiveness tests (RIM, UTC, PCT, etc.) because the benefit/cost data that is presented may be inaccurate or based on poor assumptions. Having a standardized method that is both recognized and understood by utilities, regulatory agencies, program administrators, consumer advocates and energy service professionals is vital. For example, the amount of energy reduction for a DSM measure in a small building can be simulated by a computer model, obtained by actual load research, using results from another similar program or estimated by engineering calculations. The benefits, costs and energy impacts from either of



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the aforementioned techniques can vary widely.

The proposed standard will be used by regulatory agencies, utilities, program administrators and any entity that are involved with quantifying impacts of a DSM or energy efficiency program. This standard may become an important part of a utility's integrated resource planning process. As more electric utilities announce new base-load generation additions to their long-term resource plans, the opportunity for this proposed standard to be use becomes more evident.

Having a standardized process will prove beneficial to all stakeholders. The amount of time and resources expended in today's IRP hearings should be less if all parties adopt and use a standardized process and procedure for determining energy impacts of DSM and energy efficiency. The number of interveners and the amount of interrogatories should diminish once an accepted standard is made known to all. Future hearings should be less contentious, which will be appreciated by all parties. This standard if developed and adopted will lower the regulatory cost of implementation.

RESOLUTION 11-15-06: Combined with item 4 below. Item 3 is underway now in PJM and is both a retail and wholesale electric issue.

5. Participation

Submitted by Shay Reed, CostCo

Afternoon,

I recently attended the EEI conference national accounts meeting in Florida, and we were told that October 11th, 2006 is the deadline to be included for comments on several standards issues. After reading the memo I received, it appears that this is the comment deadline rather than inclusion in the comment group? Can you please confirm the requirements for inclusion in regards to NAESB standards? We would like to be involved, and hope we are not too late. Thank you for the information.

Shay Reed -

Thank you for your interest in NAESB standards development. If you would like to submit comments, please send them to NAESB (naesb@naesb.org) by the end of this week. Please let me know if you need any additional information. Best regards, Veronica Thomason

Submitted by: Denis George, Kroger

While I only saw this today and do not have time to submit substantive comments at this time, as a general matter The Kroger Co. - one of the largest grocery supermarket chains in the US (www.kroger.com) - would be happy to comment upon and participate in any initiative that would help bring uniform standards for retail EDI/XML transactions for both gas & electric utilities. Please feel free to direct further correspondence on this matter to me directly.

RESOLUTION 11-15-06: Combined with item 6 below.

6. Electronic Billing

Submitted by Suzanne Figy, Director, Operations - Data Services, Advantage IQ, Inc.

Hi Veronica, My name is Suzanne Figy and I am the Director of Operations - Data Services for Advantage IQ. Advantage IQ currently manages more than \$9.3 billion in facility bills for more than 375 clients. We currently process and pay more than 500,000 bills/month supporting over 190,000 sites. Advantage IQ maintains a solid relationship with more than 16,000 utilities nationwide. Currently, we receive 21% of our incoming utility bills via EDI. We are of great interest in having NAESB develop some standards in the areas outlined in the annual plan. Given the volumes of electronic bills we are currently managing I would like to request that we be included in the planning discussions. I would like to ask that you add myself as our representative. We have a great amount of excitement around these initiatives and feel we can be a great asset to the discussions. Please contact me if you need any additional information or have any further questions. Thank you, Suzanne Figy

Ms. Figy, Thank you for contacting our office with your request. We will be happy to add your request to the list of NAESB Retail Annual Plan topics for discussion. Best regards, Denise Rager



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RESOLUTION 11-15-06: Combined with item 5 above. EDI transactions for electronic billing between utilities and national accounts customers is on the 2007 annual plan now and the business practices have already been developed. XML transactions are not on the 2007 plan. If Kroger and CostCo are interested in pursuing XML, we would need to identify both the sponsors/champions for this development and also the subject matter experts that would participate in XML development. NAESB office will pursue determining if the interest level is high enough to warrant a conference call with applicable parties.

7. Customer Interval Data

Under consideration by the Massachusetts EBT

Draft Letter Prepared on 9/12/06 RE: Customer Interval Data

Dear Ms. Cottrell:

We, the undersigned competitive suppliers, third party providers and brokers, hereby request that the Department review a proposed change in the current practice regarding the authorization requirement for provision of customer interval metered usage data ("interval data") to suppliers. The proposed change would simplify the practice, reduce costs, and allow for improved data security by making suppliers responsible for maintaining customer authorizations and thereby paving the way ultimately for interval data to be requested and provided using standard electronic business transactions.. The proposal has been discussed by the Massachusetts Electronic Business Transactions ("EBT") Working Group, and the EBT has been authorized by the EBT electric distribution company members (EDCs) to represent their lack of objection to the change, provided it is acceptable to the Department.

Background: Increases in competitive market efficiency have revealed the existence of a bottleneck in the day-to-day operation of Massachusetts' deregulated electricity supply marketplace in regards to the provision of interval data. The unnecessarily labor intensive nature of requesting and receiving interval data for both prospective and existing customers, acts as a hindrance to the ability of suppliers to offer accurately derived and timely priced innovative competitive supply products to commercial and industrial customers. The process for provision of interval data to suppliers is governed by the EDCs' interval data tariffs as approved by the MDTE. Those tariffs provide that interval data will be made available to the customer or the customer's "authorized agent." However, the tariffs do not specify how that authorization is to be demonstrated. See, e.g., Massachusetts Electric Company, Optional Interval Data Service, M.D.T.E. No. 1034; Boston Edison Company, Optional Interval Data Service, M.D.T.E. No. 151. The Department's order approving those tariffs is similarly silent on the question of how the authorization is to be demonstrated. Metering and Billing Services, D.T.E. 01-28 (Phase I) (May 18, 2001).

Current Practice: Regardless of the lack of an explicit written statement from the Department that delineates what constitutes authorization, it has been the interpretation of the supplier and EDC communities that the supplier would demonstrate authorization by providing a copy of a signed authorization to the EDC with any interval data request. This is the current procedure; an authorization form must be manually issued to the EDC and the EDC, in turn, must file and manage this paperwork in-house, prior to releasing customer data. This is the perceived requirement and current practice whether the customer is a prospect requesting pricing, or already a fully enrolled customer of the supplier submitting the request. Over time, this practice but has proven to be unnecessarily cumbersome for customers and suppliers, as well as for EDCs. For customers the most obvious impact is a delay in pricing from prospective suppliers in a market where even a day can make a material difference in pricing.

Proposed Practice: We propose changing the current practice by removing the requirement that the customer authorization be provided to the utility. Instead we suggest that suppliers be held responsible for obtaining, holding and maintaining the appropriate customer authorization for any requests they make. With such a change, the supplier would still obtain a written authorization from the customer, either in the form of a stand alone consent form or a supply contract with an authorization provision. Further, we would propose that suppliers be required to maintain a scanned version of the written authorization on file at the suppliers' premises for the full length of the customer contract or 24 months, whichever is longer, and that such authorizations would be subject to audit by the Department. We also note that when the Supplier is requesting the interval data, it is assumed that they are paying the fee and will be billed accordingly from the utility. Under this proposal, the utility would then be released of the responsibility to obtain the authorization form and the cost of the request and would be liberated to honor the request for interval data without reference to paper files. Suppliers have indicated a willingness to go one step further and incorporate an authorization



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provision into their customer contracts, should the Department accept this change in practice. In addition to saving time and manual effort, this step would pave the way for full EDI access to interval data in 2008, which is when the EDCs have indicated their systems would be ready to accept these requests electronically like other electronic business transactions sent via EDI. EDI works on a prescribed set of electronic communications between suppliers and distribution companies, and does not include a mechanism for the exchange of documents as part of that data transfer. The proposed change in procedure for authorizations would remove an important barrier to being able to request and receive interval data using the same standard vehicle used for all other utility/supplier data exchanges. In the EDI scenario, the supplier would submit an interval data request to the utility via EDI using the customer's account number as identifier and would represent that it has obtained the necessary customer authorization and is maintaining it on file. The utility would be free to rely on that representation, knowing that that supplier is subject to audit on any authorization by the DTE. This is exactly how EDI transactions work in other contexts, for example, customer enrollments. The supplier is required to obtain a written (or verified telephonic) authorization to enroll the customer, but is not required to file evidence of that authorization with the utility prior to enrollment acceptance, except upon request for audit. Instead, the supplier simply submits an "enroll customer" request using the customer's account number via EDI and the utility accepts that request as the supplier's representation that it has obtained the necessary authorization. The proposed change in practice for interval data requests would simply bring that practice in line with the procedure for customer enrollments and other supplier/utility transactions in Massachusetts, as well as with interval data practice in other regions of the country. The Massachusetts EBT members (both EDCs and suppliers) concur that this course of action is a win-win solution for everyone including the customer. Provision of interval data would take place seamlessly without a need to wait for manual intervention and would mirror the same procedure we currently follow for all historic usage data requests. We propose that this change in procedure apply to both historic interval data requests made for pricing prospective customers, as well as for monthly recurring interval reads used for forecasting and billing of a supplier's actively enrolled customers. The former would allow prospective customer's access to more timely pricing and product options in the marketplace, critical to making prudent business decisions in an ever-changing supply environment. The latter is necessary for timely billing of any non-fixed price product and is consistent with EPACT 2005's move toward providing customers with price sensitivity – more and more common in today's market.

Benefits of the Change in Practice: The Department has recognized, "historical interval load data are essential to the development of a strong competitive electric generation marketplace." Metering and Billing Services, D.T.E. 01-28 (Phase I) at 14. The availability of interval data improves the accuracy of forecasting and pricing. It also enables the development of innovative products and services for customers, critical to maturation of the competitive marketplace. The proposed change would greatly increase the efficiency of obtaining and receiving interval data and thus increase its availability for not only the EDC and suppliers, but more importantly, for customers. Therefore, we request that the Department review the proposed change in practice to allow suppliers to be the holder of record for customer interval data authorizations, whether they be within the customer's supply contract or in a separate authorization form.

We respectfully request the Department's expedited review of this proposed change in practice and thank you and the Department for your consideration. Sincerely, Constellation NewEnergy, ConEdison Solutions, Direct Energy, Dominion Energy Services Group, Gestalt LLC, Hess, PPL Solutions, Select Energy, TransCanada

RESOLUTION 11-15-06: The interval data is already in the model business practices for pre-enrollment activity. The standards do not specifically require that the utility maintain the information. For the EDI transactions, the 2007 plan already includes the development of EDI transactions. If MA EBT is interested in pursuing standard EDI transactions through NAESB, we would ask that the leaders of the group participate in the NAESB TEIS and EDM subcommittees to further their expectations. NAESB office will pursue determining if the interest level is high enough to warrant a conference call with applicable parties.



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Attachment 2: Potential Standards Development Efforts for 2007 and subsequent Retail Annual Plans

Projects that have been discussed but are not reflected on the 2007 plan nor have had requests prepared and submitted to NAESB are:

- Contracts: development of additional retail contracts and addenda that support the base contract already under development
- Customer Choice Activities
- Distributed Generation
- Energy Renewal and Green Energy Programs
- Interruption and Curtailment Procedures
- Load Profiling – gas and electric requirements
- Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).
- Low Income Strategies
- Model Business Practices between utilities and suppliers in day to day transactions with RTOs (joint initiative with the WEQ)
- Net Metering
- Renewables/Renewable Portfolio Standards – work with the wholesale quadrant on nationally traded renewable energy credit
- Distribution Company/Supplier communications of gas supply requirements
- Model Business Practices for communications between suppliers and customers



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NAESB BOARD OF DIRECTORS MEETING MATERIALS
 GAS QUALITY STANDARDS EFFORTS
 JUNE 28, 2007

STANDARDS THAT PASSED THE WGQ EC FROM REQUEST R06008:

Proposed Revised NAESB WGQ Standard No. 4.3.90

The Transportation Service Provider (TSP) should provide on its Informational Postings Web Site daily average gas quality information for prior gas day(s), to the extent routinely collected and readily available, for location(s) that are representative of mainline gas flow. To the extent that a TSP monitors tariff-based gas quality provisions for locations representative of mainline gas flow by non-electronic methods (e.g., spot sample), such information should be posted as soon as practicable. The gas quality information posted pursuant to this standard is operational in nature.

For purposes of this standard, "readily available" is that data which is currently available in electronic format or would be available electronically with minor enhancement(s) to existing data collection, processing and reporting capability.

The gas quality information should be reported in units as specified in the tariff or general terms and conditions. Gas quality information not specified in the TSP's tariff or general terms and conditions should be posted using units determined by the TSP.

The information available for the identified location(s) should be provided in a downloadable format. ~~Information should be reported in units as specified in the tariff or general terms and conditions.~~ In any event, all applicable parties' compliance with gas quality requirements is in accordance with the TSP's tariff or general terms and conditions.

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

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



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NAESB BOARD OF DIRECTORS MEETING MATERIALS GAS QUALITY STANDARDS EFFORTS JUNE 28, 2007

Proposed modifications to NAESB WGQ Standard No. 4.3.92:

Data provided pursuant to NAESB WGQ Standard No. 4.3.90 should be provided in a tabular downloadable file to be described by the Transportation Service Provider. The first row of the file should contain the column headers and data should begin on the second row of the file. In addition, one of the columns should contain the applicable Gas Day.

Proposed NAESB WGQ Standard 4.3.x2:

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

STANDARDS THAT FAILED THE WGQ EC FROM REQUEST R06008 DUE TO A ONE SEGMENT BLOCK:

Proposed NAESB WGQ Standard 4.3.x1:

For data provided pursuant to NAESB WGQ Standard 4.3.90, where a Transportation Service Provider (TSP) does not provide a Wobbe Number for location(s) that are representative of mainline gas flow, upon notification from a Service Requestor of its desire to begin discussing the interchangeability of gas supplies, the TSP should endeavor to calculate a Wobbe Number for such location(s). Within 90 days of such notification, but no later than the initiation of discussions to develop tariff-based gas quality interchangeability provisions, a TSP should provide a Wobbe Number for location(s) that are representative of mainline gas flow.

Where a TSP uses an alternative method to characterize interchangeability, it may substitute or supplement the Wobbe Number with the applicable data. Where no above-mentioned notification is received by the TSP or where the above mentioned discussions lead to a conclusion that tariff based gas quality interchangeability provisions are not necessary, a TSP may satisfy this standard by providing a Heating Value and Specific Gravity.

Proposed NAESB WGQ Standard 4.3.x3:

Data provided pursuant to NAESB WGQ Standard No. 4.3.90 should be made available in a single download for one and/or all location(s) representative of mainline gas flow as posted for a given date range within the most recent three month period.

Appendix A – NERC and NAESB Response Strategy for Orders 890 and 693

Order Citation	NERC Response	NAESB Response
<p>890-211. As TDU Systems note, there is neither a definition of AFC in NERC’s Glossary nor an existing reliability standard that discusses the AFC method. In order to achieve consistency in each component of the ATC calculation (discussed below), we direct public utilities, working through NERC, to develop an AFC definition and requirements used to identify a particular set of transmission facilities as a flowgate. However, we remind transmission providers that our regulations require the posting of ATC values associated with a particular path, not AFC values associated with a flowgate. Transmission providers using an AFC methodology must therefore convert flowgate (AFC) values into path (ATC) values for OASIS posting. In order to have consistent posting of the ATC, TTC, CBM, and TRM values on OASIS, we direct public utilities, working through NERC, to develop in the MOD-001 standard a rule to convert AFC into ATC values to be used by transmission providers that currently use the flowgate methodology.</p>	<p>NERC is developing both the definition of a flowgate and the process for converting AFCs into ATCs as part of its MOD-030 Standard, which describes the use of the Flowgate Network Response methodology.</p>	<p>RELIABILITY STANDARD ONLY</p>

Order Citation	NERC Response	NAESB Response
<p>890-212. The Commission also believes that further clarification is necessary regarding the calculation algorithms for firm and non-firm ATC. Currently, NERC has no standards for calculating non-firm ATC. We find that the same potential for discrimination exists for non-firm transmission service as for firm service and that greater uniformity in both firm and non-firm ATC calculations will substantially reduce the remaining potential for undue discrimination. Therefore, we direct public utilities, working through NERC, to modify related ATC standards by implementing the following principles for firm and non-firm ATC calculations: (1) for firm ATC calculations, the transmission provider shall account only for firm commitments; and (2) for non-firm ATC calculations, the transmission provider shall account for both firm and non-firm commitments, postbacks of redirected services, unscheduled service, and counter-flows. We understand that these principles are currently followed by most transmission providers and believe they should be clearly set forth in the ATC-related reliability standards. As described below, each transmission provider's Attachment C must include a detailed formula for both firm and non-firm ATC, consistent with the modified ATC-related reliability standards.</p>	<p>NERC is incorporating these requirements into its MOD-028, MOD-029, and MOD-030 standards.</p>	<p>RELIABILITY STANDARD ONLY</p>

Order Citation	NERC Response	NAESB Response
<p>890-223. With respect to a timeline for completion, the Commission concurs with NERC that a significant amount of work remains to be done on ATC-related reliability standards development. We also agree with the many commenters who state that the NOPR's proposed six-month timeline is too short for such a complex assignment. Although NERC projects that it may be able to complete the process by the summer of 2007 (which is approximately six months from the date of the Final Rule), we believe NERC should have additional flexibility with respect to its timeline. Accordingly, we direct public utilities, working through NERC, to modify the ATC-related reliability standards within 270 days after the publication of the Final Rule in the Federal Register. We also direct public utilities to work through NAESB to develop business practices that complement NERC's new reliability standards within 360 days after the publication of the Final Rule in the Federal Register. Finally, we direct NERC and NAESB to file, within 90 days of publication of the Final Rule in the Federal Register, a joint status report on standards and business practices development and a work plan for completion of this task within the timeframe established above.</p>	<p>Both parties are working on their appropriate deliverables, and this filing represents the requested Status Report.</p>	
<p>890-237. The Commission adopts the NOPR proposal and directs public utilities, working through NERC, to develop consistent practices for calculating TTC/TFC. We direct public utilities, working through NERC, to address, through the reliability standards process, any differences in developing TTC/TFC for transmission provided under the pro forma OATT and for transfer capability for native load and reliability assessment studies.</p>	<p>NERC is developing processes for determining TTC or TFC in each of the three methodologies currently under development (MOD-028, MOD-029, and MOD-030).</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>

Order Citation	NERC Response	NAESB Response
<p>890-243. To achieve greater consistency in ETC calculations and further reduce the potential for undue discrimination, the Commission adopts the NOPR proposal and directs public utilities, working through NERC and NAESB, to develop a consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses. We expect that NERC will address ETC through the MOD-001 reliability standard rather than through a separate reliability standard. By using MOD-001, the ETC calculation can be adjusted to be applicable to each of the three ATC methodologies under development by NERC.</p>	<p>NERC is developing processes for determining the impact of Native Load in each of the three methodologies currently under development (MOD-028, MOD-029, and MOD-030). This is due to the fact that each method treats native load, and consequently the remaining portions of ETC, differently.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-244. In order to provide specific direction to public utilities and NERC, we determine that ETC should be defined to include committed uses of the transmission system, including (1) native load commitments (including network service), (2) grandfathered transmission rights, (3) appropriate point-to-point reservations, (4) rollover rights associated with long-term firm service, and (5) other uses identified through the NERC process. ETC should not be used to set aside transfer capability for any type of planning or contingency reserve, which are to be addressed through CBM and TRM. In addition, in the short-term ATC calculation, all reserved but unused transfer capability (non-scheduled) shall be released as non-firm ATC.</p>	<p>NERC is developing definitions of ETC in each of the three methodologies currently under development (MOD-028, MOD-029, and MOD-030).</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>

Order Citation	NERC Response	NAESB Response
<p>890-245. We agree with TDU Systems that inclusion of all requests for transmission service in ETC would likely overstate usage of the system and understate ATC. We therefore find that reservations that have the same point of receipt (POR) (generator) but different point of delivery (POD) (load), for the same time frame, should not be modeled in the ETC calculation simultaneously if their combined reserved transmission capacity exceeds the generator's nameplate capacity at POR. This will prevent overly unrealistic utilization of transmission capacity associated with power output from a generator identified as a POR. We direct public utilities, working through NERC, to develop requirements in MOD-001 that lay out clear instructions on how these reservations should be accounted. One approach that could be used is examining historical patterns of actual reservation use during a particular season, month, or time of day.</p>	<p>NERC is developing mechanisms to address this in each of the three methodologies currently under development (MOD-028, MOD-029, and MOD-030).</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-246. We agree with NERC that some elements of ETC are candidates for business practices rather than reliability standards. Accordingly, we direct public utilities, working through NAESB, to develop business practices necessary for full implementation of the developed MOD-001 reliability standard.</p>	<p>NERC is developing definitions of ETC in each of the three methodologies currently under development (MOD-028, MOD-029, and MOD-030). As we identify areas in which coordination with NAESB is required, we will do so.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-257. The Commission therefore adopts a combination of the NOPR options one and two, and declines to adopt option three. First, we require public utilities, working through NERC and NAESB, to develop clear standards for how the CBM value shall be determined, allocated across transmission paths, and used. We understand that NERC has already begun the process of modifying several of the CBM-related reliability standards and that the drafting process is a joint project with NAESB.</p>	<p>NERC is currently developing MOD-004 to address the determination of CBM, as well as allocation of CBM across paths and usage of CBM.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>

Order Citation	NERC Response	NAESB Response
<p>890-259. To ensure CBM is used for its intended purpose, CBM shall only be used to allow an LSE to meet its generation reliability criteria. Consistent with Duke's statement, we clarify that each LSE within a transmission provider's control area has the right to request the transmission provider to set aside transfer capability as CBM for the LSE to meet its historical, state, RTO, or regional generation reliability criteria requirement such as reserve margin, loss of load probability (LOLP), the loss of largest units, etc.</p>	<p>NERC is currently developing MOD-004 to state this requirement clearly.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-260. We direct public utilities, working through NERC, to develop clear requirements for allocating CBM over transmission paths and flowgates. While we do not mandate a particular methodology for allocating CBM to paths and flowgates, one approach could be based on the location of the outside resources or spot market hubs that an LSE has historically relied on during emergencies resulting from an energy deficiency.</p>	<p>NERC is currently developing MOD-004 to address the as allocation of CBM across paths.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-262. Concerning TAPS' proposal to remove the reservation decision from the sole discretion of transmission providers, we determine that LSEs should be permitted to call for use of CBM, if they do so pursuant to conditions established in the reliability standards development process. We direct public utilities working through NERC to modify the CBM-related standards to specify the generation deficiency conditions during which an LSE will be allowed to use the transfer capability reserved as CBM. In addition, we direct that transmission set aside as CBM shall be zero in non-firm ATC calculations. Finally, we order public utilities to work with NAESB to develop an OASIS mechanism that will allow for auditing of CBM usage.</p>	<p>NERC is currently developing MOD-004 to specify the generation deficiency conditions during which an LSE can utilize CBM. NERC's MOD-004 Standard, as well as MOD-028, MOD-029, and MOD-030, contain explicit statements that CBM should not be considered ETC in non-firm calculations.</p>	<p>NAESB is developing appropriate Business Practices and S&CP Changes to support the auditing of CBM usage.</p>

Order Citation	NERC Response	NAESB Response
<p>890-272. The Commission adopts the NOPR proposal and requires public utilities, working through NERC, to complete the ongoing process of modifying TRM standards MOD-008 and MOD-009. We understand that the standard drafting process is underway as a joint project with NAESB.</p>	<p>NERC is continuing to develop MOD-008. We currently believe that MOD-009 will be incorporated into MOD-008.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-273. The Commission also adopts the NOPR proposal to establish standards specifying the appropriate uses of TRM to guide NERC and NAESB in the drafting process. Transmission providers may set aside TRM for (1) load forecast and load distribution error, (2) variations in facility loadings, (3) uncertainty in transmission system topology, (4) loop flow impact, (5) variations in generation dispatch, (6) automatic sharing of reserves, and (7) other uncertainties as identified through the NERC reliability standards development process. Because load, facility loading and other uncertainties constantly deviate, we will not require that TRM set aside capacity be set at zero in the non-firm ATC calculation. In other words, we will not require transfer capability that is set aside as TRM to be sold on a non-firm basis. We find that clear specification in this Final Rule of the permitted purposes for which entities may reserve CBM and TRM will virtually eliminate double-counting of TRM and CBM.</p>	<p>NERC is developing the MOD-008 standard to meet these requirements.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-275. In addition, we direct public utilities, working through NERC, to establish an appropriate maximum TRM. One acceptable method may be to use a percentage of ratings reduction, i.e., model the system assuming all facility ratings are reduced by a specific percentage. This is a relatively simple method and, if adopted as the reliability standard's method, should not restrict a transmission provider from using a more sophisticated method that may allow for greater ATC without reducing overall reliability.</p>	<p>NERC is developing the MOD-008 standard to meet these requirements.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>

Order Citation	NERC Response	NAESB Response
<p>890-290. The Commission directs public utilities, working through NERC, to modify the reliability standards MOD-010 through MOD-025 to incorporate a requirement for the periodic review and modification of models for (1) load flow base cases with contingency, subsystem, and monitoring files, (2) short circuit data, and (3) transient and dynamic stability simulation data, in order to ensure that they are up to date. This means that the models should be updated and benchmarked to actual events. We find that this requirement is essential in order to have an accurate simulation of the performance of the grid and from which to comparably calculate ATC, therefore increasing transparency and decreasing the potential for undue discrimination by transmission providers.</p> <p>890-292. The Commission also adopts the NPR proposal to require transmission providers to use data and modeling assumptions for the short- and long-term ATC calculations that are consistent with that used for the planning of operations and system expansion, respectively, to the maximum extent practicable. This includes, for example: (1) load levels, (2) generation dispatch, (3) transmission and generation facilities maintenance schedules, (4) contingency outages, (5) topology, (6) transmission reservations, (7) assumptions regarding transmission and generation facilities additions and retirements, and (8) counterflows. We find that requiring consistency in the data and modeling assumption used for ATC calculations will remedy the potential for undue discrimination by eliminating discretion and ensuring comparability in the manner in which a transmission provider operates and plans its system to serve native load and the manner in which it calculates ATC for service to third parties. The Commission directs public utilities, working through NERC, to modify ATC standards to achieve this consistency.</p>	<p>NERC has already identified these items on its Reliability Standards Work Plan, and will address them along with the associated requirements specified in order 693.</p>	<p>RELIABILITY STANDARD ONLY</p>
	<p>NERC is developing MOD-001, MOD-028, MOD-029, and MOD-030 to specify these requirements.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>

Order Citation	NERC Response	NAESB Response
<p>890-293. With regard to EPSA's request for the standardization of additional data inputs, we believe they are already captured in the Commission's proposal as adopted in this Final Rule. Xcel asks the Commission to require consistency in the determination of counterflows in the calculation of ATC. Counterflows are included in the list of assumptions that public utilities, working through NERC, are required to make consistent. We believe that counterflows, if treated inconsistently, can adversely affect reliability and competition, depending on how they are accounted for. Accordingly, we reiterate that public utilities, working through NERC and NAESB, are directed to develop an approach for accounting for counterflows, in the relevant ATC standards and business practices. We find unnecessary Xcel's request that we require a date certain for specific issues in the Western Interconnection to be addressed. Above we require public utilities, working through NERC, to modify the ATC standards within 270 days after the publication of the Final Rule in the Federal Register.</p> <p>890-295. We offer the following clarifications. In response to Southern, we clarify that we require consistent use of assumptions underlying operational planning for short-term ATC and expansion planning for long-term ATC calculation. We also clarify that there must be a consistent basis or approach to determining load levels. For example, one approach may be for transmission providers to calculate load levels using an on- and offpeak model for each month when evaluating yearly service requests and calculating yearly ATC. The same (peak- and off-peak) or alternative approaches may be used for monthly, weekly, daily and hourly ATC calculations. Regardless of the ultimate choice of approach, it is imperative that all transmission providers use the same approach to modeling load levels to enable the meaningful exchange of data among transmission providers. Accordingly, we direct public utilities, working through NERC, to develop consistent requirements for modeling load levels in MOD-001 for the services offered under the pro forma OATT.</p>	<p>NERC has currently specified in its draft standards that utilities must make public the manner in which they account for counterflows.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
	<p>NERC is developing MOD-001, MOD-028, MOD-029, and MOD-030 to specify these requirements.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>

Order Citation	NERC Response	NAESB Response
<p>890-296. With respect to modeling of generation dispatch, we direct public utilities, working through NERC, to develop requirements in NERC's MOD-001 reliability standard specifying how transmission providers shall determine which generators should be modeled in service, including guidance on how independent generation should be considered. We agree with Ameren that any modeling of base generation dispatch must model generators, including merchant generators, as they are expected to run. Accordingly, we direct public utilities, working through NERC, to revise reliability standard MOD-001 by specifying that base generation dispatch will model (1) all designated network resources and other resources that are committed or have the legal obligation to run, as they are expected to run and (2) uncommitted resources that are deliverable within the control area, economically dispatched as necessary to meet balancing requirements.</p>	<p>NERC is developing MOD-001, MOD-028, MOD-029, and MOD-030 to specify these requirements.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-297. Regarding transmission reservations modeling, we direct public utilities, working through NERC, to develop requirements in reliability standard MOD-001 that specify (1) a consistent approach on how to simulate reservations from points of receipt to points of delivery when sources and sinks are unknown and (2) how to model existing reservations.</p>	<p>NERC is developing MOD-001, MOD-028, MOD-029, and MOD-030 to specify these requirements.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p>
<p>890-301. The Commission adopts the NOPR proposal and requires the development of reliability standards that ensure ATC is calculated at consistent intervals among transmission providers. The Commission thus directs public utilities, working through NERC and NAESB, to revise reliability standard MOD-001 to require ATC to be recalculated by all transmission providers on a consistent time interval and in a manner that closely reflects the actual topology of the system, e.g., generation and transmission outages, load forecast, interchange schedules, transmission reservations, facility ratings, and other necessary data. This process must also consider whether ATC should be calculated more frequently for constrained facilities. ATC-related requirements for OASIS posting are discussed below.</p>	<p>NERC is specifying the minimum schedule for calculation of ATC in MOD-001; providers will be allowed to update more frequently if desired.</p>	<p>NAESB will be developing complementary business practices, specifying when providers must post ATC information on the OASIS.</p>

Order Citation	NERC Response	NAESB Response
<p>890-310. The Commission adopts the NOPR proposal and directs public utilities, working through NERC, to revise the related MOD reliability standards to require the exchange of data and coordination among transmission providers and, working through NAESB, to develop complementary business practices. The following data shall, at a minimum, be exchanged among transmission providers for the purposes of ATC modeling: (1) load levels; (2) transmission planned and contingency outages; (3) generation planned and contingency outages; (4) base generation dispatch; (5) existing transmission reservations, including counterflows; (6) ATC recalculation frequency and times; and (7) source/sink modeling identification. The Commission concludes that the exchange of such data is necessary to support the reforms requiring consistency in the determination of ATC adopted in this Final Rule. As explained above, transmission providers are required to coordinate the calculation of TTC/TFC and ATC/AFC with others and this requires a standard means of exchanging data.</p> <p>890-354. The Commission adopts the CBM posting requirements proposed in the NOPR. In doing so, we amend our OASIS regulations to incorporate the directives established in the CBM Order. Accordingly, we require transmission providers to post (and update) the CBM amount for each path. In addition, the Commission requires transmission providers to make any transfer capability set aside for CBM but unused for such purpose available on a non-firm basis and to post this availability on OASIS. Furthermore, the Commission requires transmission providers to post (and update) the TRM values for the paths on which the transmission provider already posts ATC, TTC, and CBM.</p>	<p>NERC is specifying in MOD-001 that all provider must make this data available for ATC coordination. However, not all methodologies currently require the use of the information.</p> <p>NERC’s MOD-004 Standard, as well as MOD-028, MOD-029, and MOD-030, contain explicit statements that CBM should not be considered ETC in non-firm calculations.</p>	<p>NAESB will work to develop the data exchange mechanisms for this information.</p> <p>NAESB will develop the associated OASIS Business Practices and S&CP changes to support this need.</p>

Order Citation	NERC Response	NAESB Response
<p>890-358. The Commission incorporates into its regulations the requirement in the CBM Order for a transmission provider to periodically reevaluate its transfer capability setaside for CBM. With respect to TAPS' concerns over the effort involved in the reevaluation process, we will require CBM studies to be performed at least every year. This requirement is consistent with the CBM Order, in which the Commission stated that the level of ATC set aside for CBM should be reevaluated periodically to take into account more certain information (such as assumptions that may not have, in fact, materialized). While changes requiring a reevaluation of CBM are longer-term in nature (e.g., installation of a new generator or a long-term outage), quarterly may be too frequent, though two years may be too long and may prevent a portion of the CBM setaside from being released as ATC. Moreover, annual reevaluation is consistent with the current NERC standard being developed in MOD-005. The requirement to evaluate CBM at least every year also is consistent with the CBM Order in that the Commission directed transmission providers to periodically reevaluate their generation reliability needs so as to make known the need for CBM and to post on OASIS their practices in this regard.</p>	<p>NERC will specify this requirement in MOD-004.</p>	<p>RELIABILITY STANDARD ONLY</p>

Order Citation	NERC Response	NAESB Response
<p>890-369. The Commission adopts the NOPR proposal, with the modifications discussed below, to require that the transmission provider post a brief, but specific, narrative explanation of the reason for a change in monthly and yearly ATC values on a constrained path. Rather than requiring a narrative when a monthly or yearly ATC value changes as a result of transactions being reserved, service ending, or the TTC estimate for the path changing by more than 10 percent, we will require a narrative when a monthly or yearly ATC value changes only as a result of a 10 percent change in TTC. This will reduce the number of ATC changes for which a narrative will be required and address concerns that the new requirement unduly burdens transmission providers. Any remaining burden is justified by the benefit to transmission customers of receiving timely information regarding changes in TTC that result in changes to ATC. In addition, we adopt NAESB’s suggestion that posted information include the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop Business Practice Standards to set forth how transmission providers will post “explanations of the reason for a change in monthly and yearly ATC values on a constrained path as set forth in Paragraph 369.</p>
<p>890-385. The Commission adopts the NOPR proposal and requires transmission providers and network customers to use OASIS to request designation of new network resources and to terminate designation of network resources. This information shall be posted on OASIS for 90 days and available for audit for a five-year period. Transmission customers thus shall be able to query requests to designate and terminate a network resource. This requirement adds valuable transparency without undue burden, since it is nothing more than maintaining a database of designation requests made and responded to electronically. The Commission orders public utilities, working through NAESB, to develop appropriate templates for OASIS.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs for the posting of designation of new network resources and termination of designation of network resources.</p>

Order Citation	NERC Response	NAESB Response
<p>890-389. We affirm our statement in the NOPR proposal acknowledging that transfer capability associated with transmission reservations that are not scheduled in real time is required to be made available as non-firm, and posted on OASIS.</p> <p>890-413. The Commission adopts the proposed requirement to post on OASIS metrics related to the provision of transmission service under the OATT. Specifically, transmission providers must post (1) the number of affiliate versus non-affiliate requests for transmission service that have been rejected and (2) the number of affiliate versus non-affiliate requests for transmission service that have been made. This posting must detail the length of service request (e.g., short-term or long-term) and the type of service requested (e.g., firm point-to-point, non-firm point-to-point or network service). The Commission also will require transmission providers to post their underlying load forecast assumptions for all ATC calculations and, to post on a daily basis, their actual daily peak load for the prior day. The Commission directs transmission providers to work through NAESB to develop standards for consistent methods of posting the new requirements on OASIS.</p>	<p>NERC is developing MOD-028, MOD-029, and MOD-030 to specify this requirement.</p> <p>BUSINESS PRACTICE ONLY</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p> <p>NAESB will develop Business Practice Standards for posting on OASIS of the requirements set forth in Paragraph 413 for the posting of affiliate and non-affiliate request information as well as the underlying load forecast assumptions for all ATC calculations..</p>

Order Citation	NERC Response	NAESB Response
<p>890-416. With regard to posting of load forecasts and actual daily peak load, we conclude that such postings are necessary to provide transparency for transmission customers. We agree with E.ON that RTO and ISO load data needs to be posted at a sufficient granularity to allow for meaningful comparison of control area and LSE load levels. Most RTOs and ISOs post load data for the entire footprint, but few post it on an LSE or control area basis. We therefore direct ISOs and RTOs to post load data for the entire ISO/RTO footprint and for each LSE or control area footprint within the ISO/RTO. This will not create an undue burden on ISOs and RTOs, since the load data for the entire footprint is an aggregation of load data across the LSEs or control areas in the footprint. We also agree with EEI that the peak load applies to system-wide load, including native load. We direct transmission providers to post load forecasts and actual daily peak load for both system-wide load (including native load) and native load, as this data will be useful to customers and regulators. We deny EEI's request for a guarantee that transmission providers will not be held accountable for producing a reasonable load forecast. While we do not intend to penalize transmission providers for failing to account for unforeseen circumstances, we retain our ability to investigate any allegations of manipulation of load forecasts, as this could be used as a means of inappropriately denying requested transmission service.</p>	<p>NERC is developing MOD-001 to address this requirement.</p>	<p>NAESB will develop OASIS Business Practices and S&CPs for the posting requirements set forth in Paragraph 416 for posting of load forecasts and actual daily peak load.</p>

Order Citation	NERC Response	NAESB Response
<p>890-815. As with any innovative rate program, however, the Commission will monitor the secondary capacity market to ensure that participants are not exercising market power. To enhance oversight and monitoring by the Commission, we adopt reforms to the underlying rules governing capacity reassignments. First, we require that all sales or assignments of capacity be conducted through or otherwise posted on the transmission provider’s OASIS on or before the date the reassigned service commences. The Commission thus eliminates the current ability of transmission customers to assign the transmission rights to another party with subsequent notification to the transmission provider. The mechanisms for negotiating a reassignment remain the same. The transmission customer may either request that the transmission provider make the capacity available on its OASIS or the transmission customer may negotiate the terms of an assignment bilaterally. In either instance, however, the resulting sale or assignment must be posted by the transmission provider on its OASIS prior to the date the reassigned service commences. We require transmission providers working through NAESB to develop appropriate OASIS functionality to allow such postings. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will revise the existing Resales standards to align with Order 890, paragraph 815 and Footnote 496.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1005. The Commission will not mandate the use of network customer resources or other third party resources in the provision of planning redispatch. If they choose, network customers and third parties may voluntarily provide planning redispatch services. A seller is free to post its price to relieve a specific congested transmission facility and its ability to relieve the congestion. To facilitate provision of such service by third parties, we direct transmission providers to modify their OASIS sites to allow for posting of these third party offers. Accordingly, we direct transmission providers to work in conjunction with NAESB to develop this new OASIS functionality and any necessary business practice standards. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards.</p> <p>890-1078. Finally, we address requests to allow for automatic assignment of short-term firm point-to-point service to conditional firm customers. We agree that transmission providers must take into account the conditional firm service in evaluating the availability of short-term firm service. Because conditional firm is a long-term firm use of the system, it should not be interrupted prior to short-term firm service. However, short-term firm service reserved prior to the reservation of conditional firm service should maintain priority over conditional firm service in the periods when conditional firm service is conditional, i.e., when specified system conditions exist or conditional curtailment hours apply. Because the assignment proposal meets both of these objectives, we direct transmission providers to assign short-term firm service to conditional firm customers as the service becomes available. Accordingly, we direct transmission providers to work with NAESB to develop the appropriate communications protocols to implement this attribute of conditional firm service. Transmission providers need not implement this requirement until NAESB develops appropriate communications protocols.</p>	<p>BUSINESS PRACTICE ONLY</p> <p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1005 for redispatch services.</p> <p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1078 for the communication protocols to implement conditional firm service.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1162. Accordingly, to provide greater availability of redispatch information, the Commission adopts certain additional posting requirements for transmission providers. Specifically, we direct each transmission provider to post on OASIS its monthly average cost of redispatch for each internal congested transmission facility or interface over which it provides redispatch service using planning redispatch or reliability redispatch under the pro forma OATT. Additionally, to demonstrate the range of redispatch costs each month, the Commission directs transmission providers to post a high and low redispatch cost for the month for each of these same transmission constraints. The transmission provider shall calculate the monthly average cost in \$/MWh for each congested transmission facility by dividing monthly total redispatch costs (at the facility) by the total MWhs that would otherwise be curtailed (at the facility) in the month absent the redispatch. Transmission providers shall post internal constraint or interface data for the month if any planning redispatch or reliability redispatch is provided during the month, regardless of whether the transmission customer is required to reimburse the transmission provider for those exact costs. Thus, if the transmission customer pays for redispatch pursuant to a negotiated fixed rate, the transmission provider is required to post and calculate the monthly average redispatch costs and the high and low costs in the month even though the transmission provider will bill the customer the fixed rate. The same posting requirement applies if the customer is paying a monthly “higher of” rate. The transmission provider shall post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services. We direct transmission providers to work in conjunction with NAESB to develop this new OASIS functionality and any necessary business practice standards.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1162 for redispatch postings.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1269. In Order No. 676, the Commission adopted the “Standards for Business Practices and Communication Protocols for Public Utilities” developed by the NAESB’s Wholesale Electric Quadrant (WEQ). Order No. 676 incorporated the aforementioned standards by reference into the Commission’s regulations, required public utilities to implement the standards by July 1, 2006, and required public utilities to file revisions to their OATTs to include these standards. The WEQ Standards include a number of standards addressing requirements for dealing with redirects on both a firm and non-firm basis. All of the WEQ Standards dealing with redirects were adopted by the Commission in Order No. 676, except for WEQ Standard 001-9.7, which addresses the impact of a firm redirect on a long-term firm transmission customer’s rollover rights under section 2.2 of the pro forma OATT. The Commission directed the WEQ to reconsider WEQ Standard 001-9.7 and to adopt a revised standard consistent with the Commission’s policies. The Commission also offered guidance to assist the WEQ in developing a standard that is consistent with Commission policy</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1269 and will revise WEQ Standard 001-9.7.</p>
<p>890-1318. We agree, however, with EEI’s recommendation that the Commission delegate to NAESB the responsibility for developing the Standard and Communications Protocols, business practices and OASIS modifications that will be necessary to provide the performance metrics adopted above. NAESB is in the best position to develop the standards and the processes by which the performance metrics are posted</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop S&CPs and necessary OASIS Business Practice Standards to implement the standard performance metrics set forth in Order 890, Paragraphs 1308-1317.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1377. The Commission agrees that transmission requests across multiple transmission systems should be coordinated by the relevant transmission providers. We will not, however, amend the pro forma OATT to require such coordination. Rather, we require transmission providers working through NAESB to develop business practice standards related to coordination of requests across multiple transmission systems. In order to provide guidance to NAESB, we will articulate the principles that should govern processing across multiple systems. All the transmission providers involved in a request across multiple systems should consider a request that requires studies across multiple systems to be a single application for purposes of establishing the deadlines for rendering an agreement for service, revising queue status, eliciting deposits and commencing service. In order to preserve the rights of other transmission customers with studies in the queue, the priority for the single application should be based on the latest priority across the transmission providers involved in the multiple system request. We note that regional entities like wesTTrans are already coordinating requests across multiple transmission systems and we believe such coordination is an acceptable solution to this issue.</p>	<p>While it appears this is primarily a business practice, NERC awaits further development on the NAESB Business Practices, to determine what, if any, complementary Reliability Standards are necessary.</p>	<p>NAESB will develop OASIS Business Practice Standards and S&CPs to Paragraph 1377 regarding coordination of transmission requests across multiple systems.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1378. We interpret Exelon’s request that we require all transmission providers to allow transmission customers to link consecutive requests for firm point-to-point transmission service and to evaluate such requests as a single request as asking us to (1) allow transmission customers to require the transmission provider to either grant service for the entire period, deny service for the entire period, or offer the same partial quantity for the entire period and (2) require the transmission provider to consider the full duration of the linked requests when determining reservation priority pursuant to sections 13.2 of the pro forma OATT (short-term firm point-to-point transmission service). We require transmission providers working through NAESB to develop business practice standards to allow a transmission customer to rebid a counteroffer of partial service so the linked transmission service requests. Transmission providers need not implement these business practice standards until NAESB develops appropriate standards. We note that the transmission customer should not be required to take the same quantity of service across consecutive transmission service requests, it should simply have the option to do so. On the second issue, we reiterate that, according to existing NAESB business practice standard 001-4.16, the transmission provider is required to consider the full duration of the linked requests when determining reservation priority pursuant to section 13.2 of the pro forma OATT.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop OASIS Business Practice Standards and S&CPs for the posting requirements set forth in Paragraph 1378 regarding rebid of partial service.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1390. We will not modify the pro forma OATT to address requests to allow the transmission provider to terminate idle transmission service requests. NAESB’s business practice 001-4.11 allows the transmission provider to retract a request if the transmission customer does not respond to an acceptance within the time established in NAESB business practice standard 001-4.13. Therefore, we interpret TDU Systems comments to refer to circumstances when a transmission customer fails to respond to the transmission provider’s request for additional information during the course of a request study. As discussed above, by the time the transmission provider offers a system impact study agreement, it should have all of the information that it needs to complete the study. Pursuant to section 17.4 of the pro forma OATT, the transmission provider can deem a transmission service request deficient if the transmission customer does not provide all of the information the transmission provider needs to evaluate the request for service. We will revise section 17.7 of the pro forma OATT so that the transmission provider is able to terminate a request for transmission service if a transmission customer that is extending the commencement of service does not pay the required annual reservation fee within 15 days of notifying the transmission provider that it would like to extend the commencement of service. We will not change the pro forma OATT to allow the transmission provider to terminate a transmission service request if the transmission customer changes its application for service. We believe the existing pro forma OATT is sufficient to allow a transmission provider to manage situations where the transmission customer modifies its application for service to the point that the customer is requesting transmission service that is meaningfully different than its initial request</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will review existing NAESB Business Practice Standards to determine if modifications should be made to align the standards with Paragraph 1390.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1392. Commenters also suggest changes to the OASIS protocols, including prohibiting transmission customers from changing a request into a pre-confirmed request and requiring OASIS platforms to be accessible on non-Windows/Explorer computers. We believe these issues are best addressed by NAESB.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the OASIS Business Practice Standards and S&CPs to address Paragraph 1392 to prohibit transmission customer from changing a request into a pre-confirmed request and regarding requiring OASIS platforms to be accessible on non-Windows/Explorer computers..</p>

Order Citation	NERC Response	NAESB Response
<p>890-1401. The Commission generally agrees with those commenters that argue that giving a priority to pre-confirmed requests can increase the efficient utilization of the system by giving priority to customers who are committed to purchase service over those who have not so committed, including customers that submit multiple requests without any intent to take service if each request is granted. However, we are mindful of concerns that doing so could undermine the Commission’s desire to promote longer-term uses of the transmission system, disrupt the study process, or disadvantage transmission customers that are not in the position to pre-confirm their requests. As a result, we will modify the NOPR proposal and give priority only to pre-confirmed non-firm point-to-point transmission service requests and short-term firm point-to-point transmission service requests. In addition, longer duration requests for transmission service will continue to have priority over shorter duration requests for transmission service, with preconfirmation serving as a tie-breaker for requests of equal duration. This policy will still give an advantage to pre-confirmed requests without imposing substantial implementation difficulties or undermining the Commission’s goals to encourage longerterm uses of the transmission system. Our revised policy on priority for pre-confirmed requests thus addresses the comments that we should preserve the priority of longer duration requests for transmission service over shorter duration requests for transmission service. For instance, a pre-confirmed daily or hourly request will not preempt a weekly request that has not been pre-confirmed. Pre-confirmed short-term service requests therefore will not have a priority superior to that of long-term service requests that have not been pre-confirmed.</p>	<p style="text-align: center;">BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop OASIS Business Practice Standards and S&CPs to address the pre-confirmation priority policy set forth in Paragraph 1401 regarding pre-confirmation of priority.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1407. In response to requests for clarification from MidAmerican and TransServ, we clarify that a new pre-confirmed request for transmission service would preempt a request of equal duration that has been accepted by the transmission provider but not yet confirmed by the transmission customer. Thus, we decline to adopt TDU Systems’ suggestion that the Commission include a time window between acceptance of a request and confirmation of the request, during which a request can not be preempted by a pre-confirmed request for transmission service. This is consistent with our desire to give transmission service first to those customers that are committed to taking the transmission service if it is granted. In the case of monthly firm point-to-point transmission service, the transmission customer has up to four days to confirm an accepted request. This is a potentially long delay when there is another transmission customer that is willing to commit to take the same service. Moreover, this policy is consistent with NAESB business standard 001-4.25, which allows a pre-confirmed request for non-firm point-to-point transmission service to preempt a request of equal duration and lower price that has been accepted but not confirmed.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop OASIS Business Practice Standards and S&CPs to address Paragraph 1407 regarding pre-confirmation.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1477. We direct transmission providers to develop OASIS functionality to (1) allow all of the information required for a request to designate network resources to be provided electronically, (2) mask information about operating restrictions and generating cost on OASIS, and (3) allow for queries of all information provided with designation requests in accordance with section 37.6 of the Commission’s regulations.871 As provided in paragraph 385, we also direct transmission providers to work in conjunction with NAESB to develop business practice standards describing procedural requirements for submitting designations over any new OASIS functionality. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards. Prior to implementation of this new OASIS functionality, any information that cannot be provided electronically may be submitted by transmitting the information to the transmission provider by telefax or providing the information by telephone over the transmission provider’s time recorded telephone line. 890-1504. In response to South Carolina E&G’s request, we reiterate that not all of the information required by section 29.2 of the pro forma OATT for designation of a network resource will be made publicly available on OASIS. As discussed above, information about operating restrictions and generating cost will be masked to protect commercially sensitive information. South Carolina E&G has also requested clarification of the Commission’s intent with respect to how designated network resource information is posted. Our existing regulations specify the view, download, and query requirements for information posted regarding network resource designations. The details of how those informational postings are accomplished are best left to be determined as part of the NAESB standards development process.</p>	<p>BUSINESS PRACTICE ONLY</p> <p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1477 regarding designation of network resources.</p> <p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1504 for designation of network resources.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1532. In response to TranServ’s request that the exact nature of how the customer would make an attestation should be determined in the NAESB forum, we note that the contents and the specific information that is required to be provided with the attestation are specified in the pro forma OATT, and we are requiring that the attestation be submitted through OASIS with each request to designate a new network resource. The appropriate subject for transmission providers to coordinate with NAESB to resolve is limited to the appropriate formatting of such information to be provided in OASIS. In response to TranServ’s request that NAESB should also determine the treatment of OASIS requests where the customer fails to provide the necessary attestation, we point out that we have already directed that such requests are to be found deficient by the transmission provider and treated in accordance with the procedures in section 29.2 of the pro forma OATT.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1532 requiring attestation on OASIS for designation of network resources.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1541. We direct transmission providers to develop OASIS functionality and, working through NAESB, business practice standards describing the procedural requirements for submitting both temporary and indefinite terminations of network resources, to allow network customers to provide all required information for such terminations. Such OASIS functionality should allow for electronic submittal of the type of termination (temporary or indefinite), the effective date and time of the termination, and identification and capacity of resource(s) or portions thereof to be terminated. For temporary terminations, such OASIS functionality should also allow for electronic submittal of (1) effective date and time of redesignation, following the period of temporary termination; (2) information and attestation for redesignating the network resource following the temporary termination, in accordance with section 30.2 of the pro forma OATT; and (3) identification of any related transmission service requests to be evaluated concomitantly with the request for temporary termination. In response to TransServ’s request, we clarify that the request for temporary termination of the resource and the requests for the related transmission service identified in item (3), if any, should be evaluated as a single request, and approved or disapproved as such. We specifically direct transmission providers, working through NAESB, to develop business standards describing the procedures for submitting and processing requests for concomitant evaluations of transmission requests and temporary terminations. When processing such requests, the evaluation of the transmission service requests identified in item (3) should take into account the undesignation of the network resources identified in the request for termination. However, the evaluation of the transmission service requests in item (3) should be processed taking proper account of all competing transmission service requests of higher priority.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the necessary OASIS Business Practice Standards and S&CPs to address Paragraph 1541 regarding termination and undesignation of network resources.</p>

Order Citation	NERC Response	NAESB Response
<p>890-1627. We agree with suggestions for the posting of additional curtailment information on OASIS and, therefore, require transmission providers, working through NAESB, to develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards. These postings must include all circumstances and events contributing to the need for a firm service curtailment, specific services and customers curtailed (including the transmission provider’s own retail loads), and the duration of the curtailment. This information is in addition to the Commission’s existing requirements: (1) when any transmission is curtailed or interrupted, the transmission provider must post notice of the curtailment or interruption on OASIS, and the transmission provider must state on OASIS the reason why the transaction could not be continued or completed; (2) information to support any such curtailment or interruption, including the operating status of facilities involved in the constraint or interruption, must be maintained for three years and made available upon request to the curtailed or interrupted customer, the Commission’s Staff, and any other person who requests it; and, (3) any offer to adjust the operation of the transmission provider’s system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted transmission customers at the same time.</p>	<p>BUSINESS PRACTICE ONLY</p>	<p>NAESB will develop the OASIS Business Practice Standards and S&CPs to address Paragraph 1627 regarding posting of curtailment information.</p>

Order Citation	NERC Response	NAESB Response
<p>693-206. In Order No. 890, the Commission directed public utilities, working through NERC, to modify the ATC-related Reliability Standards within 270 days of publication of Order No. 890 in the Federal Register.98 Our action there affects approximately nine MOD Reliability Standards and one FAC Reliability Standard that are before us in this proceeding. The ERO must submit its revised Work Plan within 90 days of the effective date of the Reliability Standards approved in this order as an informational filing to: (1) reflect modification directives contained in the Final Rule; (2) include the timeline for completion of ATC-related Reliability Standards as ordered in Order No. 890 and (3) account for the views of its stakeholders, including those raised in this proceeding. 693-1047. In order to increase the transparency of ATC calculations, we adopt the NOPR’s proposal and direct the ERO to develop in MOD-001-0 a requirement that each transmission service provider provide on OASIS its OATT Attachment C, in which Order No. 890 requires transmission providers to include a detailed description of the specific mathematical algorithm the transmission provider uses to calculate both firm and nonfirm ATC for various time frames such as: (1) the scheduling horizon (same day and realtime), (2) operating horizon (day ahead and pre-schedule) and (3) planning horizon (beyond the operating horizon). In addition, a transmission provider must include a process flow diagram that describes the various steps that it takes in performing the ATC calculation.</p>	<p>NERC will develop an additional status report for the commission, detailing this information, at the time specified.</p> <p>NERC is currently specifying that information used in the ATC process must be made available for posting. However, we are currently proposing to leave the actual posting requirement to NAESB as a business practice.</p>	<p>RELIABILITY STANDARD ONLY</p> <p>NAESB is developing business practices requiring posting of these items.</p>

Order Citation	NERC Response	NAESB Response
<p>693-1057. Accordingly, the Commission neither accepts nor remands MOD-001-0 until the ERO submits additional information. Although the Commission does not propose any action with regard to MOD-001-0, we address above a number of concerns regarding the Reliability Standard, consistent with those set forth in Order No. 890. We direct the ERO to develop modifications to the Reliability Standard through the Reliability Standards development process that: (1) provide a framework for ATC, TTC and ETC calculation, developing industry-wide consistency of all ATC components; (2) require disclosure of algorithms, for both firm and non-firm ATC and processes used in the ATC calculation; (3) identify a detailed list of information to be exchanged among transmission providers for the purposes of ATC modeling; (4) include a requirement that the assumptions used in ATC and AFC calculations should be consistent with those used for planning the expansion or operation of the Bulk-Power System to the maximum extent practicable; (5) include a requirement that ATC be updated by all transmission providers on a consistent time interval; (6) include a requirement that applicable entities make available assumptions and contingencies underlying ATC and TTC calculations; (7) address only ATC/AFC while TTC/TFC should be addressed under transfer capability standards such as FAC-012-1 and (8) identify the applicable entities in terms of users, owners and operators of the Bulk-Power System.</p> <p>693-1081. We agree with TAPS that there is a need for clearer requirements in the standard regarding to whom and how to submit a request for CBM set-aside, and what the transmission service provider should do if the sum of all CBM requirements exceeds the amount of available transfer capability. We direct the ERO to address the reliability aspects in the Reliability Standards development process and explore with NAESB whether business practices would be required.</p>	<p>NERC is currently proposing to address all of these items in MOD-001, MOD-028, MOD-029, and MOD-030.</p> <p>NERC is specifying this information in MOD-004.</p>	<p>NAESB awaits further development on the NERC standards, to determine what complementary business practices are necessary.</p> <p>NAESB is currently developing the mechanisms through which CBM may be requested.</p>

Order Citation	NERC Response	NAESB Response
<p>693-1082. Accordingly, the Commission neither accepts nor remands MOD-004-0 until the ERO submits additional information. In the interim, compliance with MOD-004-0 should continue on a voluntary basis, and the Commission considers compliance with the Reliability Standard to be a matter of good utility practice. Although the Commission did not propose any action with regard to MOD-004-0, it addressed above a number of concerns regarding the Reliability Standard, consistent with those set forth in Order No. 890. Therefore, we direct the ERO to develop modifications to the Reliability Standard through the Reliability Standards development process to: (1) clarify that CBM shall be set aside upon request of any LSE within a balancing area to meet its verifiable historical, state, RTO or regional generation reliability criteria; (2) develop requirements regarding transparency of the generation planning studies used to determine CBM value; (3) modify the current Requirements to make clear the process for how CBM is allocated across transmission paths or flowgates; (3) modify its standard in order to prevent setting aside CBM and TRM for the same purposes; (4) modify the standard by adding LSE as an applicable entity and (5) coordinate with NAESB business practice standards. 693-1105. The Commission approves MOD-006-0 as mandatory and enforceable. In addition, the Commission directs the ERO to develop a modification to Reliability Standard MOD-006-0 through the Reliability Standards development process that: (1) includes a provision that will ensure that CBM and TRM are not used for the same purpose; (2) provides that CBM should be used for emergency generation deficiencies; (3) modifies Requirement R1.2 to define “generation deficiency” based on a specific energy emergency alert level; (4) includes a provision that CBM should have a zero value in the calculation of non-firm ATC and (5) expands the applicability section to include the entities that actually use CBM, such as LSEs.</p>	<p>NERC is specifying this information in MOD-004.</p> <p>NERC is specifying this information in MOD-004.</p>	<p>NAESB is working to determine what complementary business practices are necessary.</p> <p>NAESB is currently developing the mechanisms through which CBM may be requested.</p> <p>RELIABILITY STANDARD ONLY</p>

Order Citation	NERC Response	NAESB Response
<p>693-1122. Consistent with the NOPR proposal and Order No. 890, the Commission directs the ERO to modify standard MOD-008-0 to clarify how TRM should be calculated and allocated across paths or flowgates. We understand that the standards drafting process is underway as a joint project with NAESB. We agree with International Transmission, MidAmerican and MISO about the need for more uniformity and transparency in TRM calculation methodology and use, in order to eliminate potential reliability and discrimination concerns. Consistent with Order No. 890, the Commission directs the ERO to specify the parameters for entities to use in determining uncertainties for which TRM can be set aside and used, such as: (1) load forecast and load distribution error; (2) variations in facility loadings; (3) uncertainty in transmission system topology; (4) loop flow impact; (5) variations in generation dispatch; (6) automatic reserve sharing and (7) other uncertainties as identified through the NERC Reliability Standards development process. We find that clear specification in this Final Rule of the permitted purposes for which entities may reserve CBM and TRM will also virtually eliminate double-counting of TRM and CBM. Therefore, we direct the ERO to determine clear requirements regarding permitted uses for TRM through its Reliability Standards development process.</p>	<p>NERC is specifying this information in MOD-008.</p>	<p>RELIABILITY STANDARD ONLY</p>

Order Citation	NERC Response	NAESB Response
<p>693-1126. The Commission neither accepts nor remands MOD-008-0 until the ERO submits additional information. In the interim, compliance with MOD-008-0 should continue on a voluntary basis, and the Commission considers compliance with the Reliability Standard to be a matter of good utility practice. Although the Commission did not propose any action with regard to MOD-008-0, it addressed above a number of concerns regarding the Reliability Standard, consistent with those proposed in Order No. 890. Accordingly, we direct the ERO to develop modifications to the Reliability Standard through the Reliability Standards development process including: (1) clear requirements on how TRM should be calculated, including a methodology for determining the maximum TRM value, and allocated across paths; (2) clear requirements for permitted purposes for which TRM can be set aside and used; (3) clear requirements for availability of documentation that supports TRM determination and (4) expanding the applicability to add planning authorities and reliability coordinators and any other appropriate entity identified in the Reliability Standards development process.</p>	<p>NERC is specifying this information in MOD-008.</p>	<p>RELIABILITY STANDARD ONLY</p>



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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
ATC GROUP ASSIGNMENTS (ESS/ITS and BPS)				
243, 246	<p>Business Practice Standards complementary to NERC Reliability Standards for Existing Transfer Capability (ETC) to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard*</p> <p>*See also, ESS/ITS Work Plan, Group 1</p>	WEQ Annual Plan Item 2	<p>FORMAL COMMENT: end of 3rd Quarter</p> <p>WEQ EC VOTE: 4th Quarter, 2007</p> <p>RATIFICATION: 4th Quarter, 2007</p>	
257, 262	<p>Capacity Benefit Margin (CBM) Business Practices</p> <ul style="list-style-type: none"> Business practice standards to set forth “how the CBM value shall be determined, allocated across transmission paths, and used” and how transmission providers will “reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service.” Business practice standards that include an OASIS mechanism to “allow for auditing of CBM usage.” Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort 	WEQ Annual Plan Item 2	<p>FORMAL COMMENT: end of 3rd Quarter</p> <p>WEQ EC VOTE: 4th Quarter, 2007</p> <p>RATIFICATION: 4th Quarter, 2007</p>	
272, 273	<ul style="list-style-type: none"> Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM 	WEQ Annual Plan Item 2	FORMAL COMMENT: end of 3 rd Quarter	



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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
301, 310, 369, 246, 413, 293	<p>The business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM</p> <ul style="list-style-type: none"> Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort <p>Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability));</p> <ul style="list-style-type: none"> Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange Business practice standards that will set forth how transmission providers will post “explanations of the reason for a change in monthly and yearly ATC values on a constrained path.” The standards will include a requirement that the transmission provider post the reason for the change in a narrative form. The posted information will include “the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).” 	WEQ 2007 Annual Plan Item 2	<p>WEQ EC VOTE: 4th Quarter, 2007</p> <p>RATIFICATION: 4th Quarter, 2007</p> <p>FORMAL COMMENT: end of 3rd Quarter, 2007</p> <p>WEQ EC VOTE: 4th Quarter, 2007</p> <p>RATIFICATION: 4th Quarter, 2007</p>	



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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
	<ul style="list-style-type: none"> Business practice standards for posting on OASIS of the “underlying load forecast assumptions for all ATC calculations” Business practice standards for posting on OASIS of the “actual daily peak load for the prior day.” Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards 			
	<ul style="list-style-type: none"> Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) 	WEQ Annual Plan Item 2	FORMAL COMMENT: end of 3 rd Quarter WEQ EC VOTE: 4 th Quarter, 2007 RATIFICATION: 4 th Quarter, 2007	



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Order-890 Work Plan			
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates
ESS/ITS ASSIGNMENTS			
GROUP 0: RESALES			
815, FN 496	<p>The OASIS business practices developed to align the existing NAESB standards with Order 890 will include the requirement that "all sales or assignments of capacity be conducted or otherwise posted on the transmission provider's OASIS on or before the date the reassigned service commences."</p> <p>The OASIS business practices will also conform to Footnote 496 of Order 890. The business practices will include the requirement that the assignee "execute a service agreement directly with the transmission provider." In addition, the business practices will include the requirement that the assignee pay "the transmission provider for service at the negotiated rate and the transmission provider will bill or credit the assignor with any the difference between the negotiated rate and the assignor's original rate."</p>	<p>WEQ 2007 Annual Plan Item 2</p> <p>FORMAL COMMENT: The ESS/ITS posted a recommendation for formal comment that includes revisions to the Resales standards to address the directives in Order 890 on April 5, 2007 with comments due on May 4, 2007.</p> <p>WEQ EC VOTE: The WEQ Executive Committee adopted a revised recommendation during the May 8 WEQ EC meeting.</p> <p>RATIFICATION: The recommendation, as revised by the WEQ Executive Committee will be posted for ratification by the WEQ Membership shortly.</p>	<p>The Recommendation for the business practices was posted for formal comment on April 5, 2007 with comments due on May 4. The WEQ Executive Committee voted Recommendation at its May 8, 2007 meeting in Washington, DC.</p> <p>The modifications to the S&CPs will be processed under a separate recommendation that will also include other changes to the S&CPs required in Order 890.</p>
GROUP 1: POSTING OF ETC; ANNOTATIONS FOR ATC; LOAD FORECAST AND ACTUAL LOAD; RE-BID OF PARTIAL SERVICE; AND PRECONFIRMATION OF PRIORITY			
243-	Posting of ETC*: OASIS business practice standards and S&CPs necessary to		<p>FORMAL COMMENT: The ESS/ITS have</p>



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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
244	implement the Business Practice Standards developed to complement NERC Reliability Standards for Existing Transfer Capability (ETC) to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard.		ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 1 during the 3 rd Quarter, 2007.	started drafting the required changes to the OASIS S&CPs to include the changes necessary to address the items in Group 1.
369	Annotations for ATC: OASIS Business Practice Standards and S&CPs that will “require that the transmission provider post a brief, but specific, narrative explanation of the reason for a change in monthly and yearly ATC values on a constrained path.” The posting requirements will include posting of “(1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).”		WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 1 items during the 3 rd Quarter, 2007	
416	Load Forecast and Actual Load: OASIS Business Practice Standards and S&CPs for the posting of “load forecasts and actual daily peak load for both system-wide load (including native load) and native load.”			
1378	Re-bid of Partial Service: OASIS Business practice standards and OASIS S&CPs for re-bid of partial service <ul style="list-style-type: none"> • NAESB will develop business practice standards to “allow a transmission customer to rebid a counteroffer of partial service so the transmission customer is allowed to take the same quantity of service across all linked transmission service requests. 		RATIFICATION: The Recommendation for the Group 1 items will be complete by the end of the 3 rd Quarter, 2007	
1392, 1401	Pre-confirmation of Priority: Development of OASIS business practice standards and OASIS S&CPs to prohibit “transmission customers from changing a request into a pre-confirmed request and requiring OASIS platforms to be accessible on non-Windows/Explorer computers.”			



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Order 890 Work Plan				
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	<p>Pre-confirmation Priority: Development of OASIS Business Practice Standards and OASIS S&CPs so that “pre-confirmed non-firm point-to-point transmission service requests and short-term firm point-to-point transmission service requests” have priority though “longer duration requests for transmission service will continue to have priority over shorter duration requests for transmission service.” The standards will be written such that pre-confirmation will serve as a “tie-breaker” when the requests are of equal duration.</p> <p>GROUP 2: METRICS; REDISPATCH COST POSTING</p>			
413	<p>Metrics: Business Practice standards s to “post on OASIS metrics related to the provision of transmission service under the OATT” including the posting of:</p> <ul style="list-style-type: none"> • “the number of affiliate versus non-affiliate requests for transmission service that have been rejected”; • “the number for affiliate versus non-affiliate requests for transmission service that have been made”; • These standards will also set forth in the above referenced posting requirements the length of the service request and the type of the service requested 		<p>FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 2 during the end of 3rd Quarter/beginning of the 4th Quarter, 2007.</p> <p>WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 2 items during the 4th Quarter, 2007</p>	<p>The ESS/ITS has not begun drafting standards to address the Group 2 items at this time.</p>
1318	<p>Metrics: OASIS business practice standards to implement the standard performance metrics set forth in Order 890, Paragraphs 1308-1317.</p>			
1005, 1162	<p>Redispatch Cost Posting: Business practices for redispatch cost postings:</p> <ul style="list-style-type: none"> • The business practice standards for redispatch cost postings will include OASIS business practices and any needed additions or revisions to the OASIS Standards & Communication Protocols (S&CPs) to allow for posting of third party offers of planning redispatch services. The business 			<p>RATIFICATION: The ratification of the</p>



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Order 890 Work Plan				
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	<p>practice standards developed for redispach cost postings may affect the existing NAESB business practice standards for Transmission Loading Relief.</p> <ul style="list-style-type: none"> The posting of redispach information will also include the posting of each transmission provider's "monthly average cost of redispach for each internal congested transmission facility or interface over which it provides redispach service using planning redispach or reliability redispach under the pro forma OATT." The business practice standards for redispach cost postings will also include functionality for transmission providers to post "a high and low redispach for the month" each internal congested transmission facility or interface over which it provides redispach service 		Recommendation for the Group 2 items will be complete by the end of the 4 th Quarter, 2007	
GROUP 3: NETWORK SERVICE ON OASIS				
385	<p>Development of OASIS business practice standards and OASIS S&CPs for "transmission providers and network customers to use OASIS to request designation of new network resources and to terminate designation of network resources." The standards will include the ability to query requests to designate and terminate network resources and will require development of OASIS templates.</p> <p>Shall be posted on OASIS for 90 days and available for audit for a 5 year period</p> <p>Will result in ability of Transmission customers to be able to query requests to designate and terminate a network resource. Requests and responses made electronically.</p>	WEQ Annual Plan Item 2	<p>FORMAL COMMENT: The ESS/TTS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 3 during the 4th Quarter, 2007.</p> <p>WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 3 items during the 4th Quarter, 2007</p>	The ESS/TTS has not begun drafting standards to address the Group 3 items at this time.
1477	<p>Development of OASIS business practice standards and OASIS S&CPs for provision of the designation of network resources electronically; masking of information "about operating restrictions and generating cost on OASIS"; and to</p>			



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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
1477	<p>“allow for queries of all information provided with designation requests</p> <p>Development of OASIS business practice standards and OASIS S&CPs that describe “the procedural requirements for submitting designations over any new OASIS functionality.</p>		<p>RATIFICATION: The Recommendation for the Group 3 items will be complete by the end of the 4th Quarter, 2007</p>	
1504	<p>Development of OASIS business practice standards and OASIS S&CPs to specify how designated network service informational postings are posted on OASIS .</p> <p>Develop details of how the view, download, and query requirements for information posted regarding network resource designations informational postings.</p>			
1532	<p>Development of OASIS business practice standards and OASIS S&CPs to set forth the “treatment of OASIS requests when the customer fails to provide the necessary attestation,” when submitting a request to designate a new network resource.</p> <p>Attestation: Formatting of attestation information that will be provided on OASIS.</p>			
1541	<p>Development of OASIS business practice standards and OASIS S&CPs to describe “the procedural requirements for submitting both temporary and indefinite terminations of network resources, to allow network customers to provide all required information for such terminations.” These business practice standards will include the functionality set forth in Order 890, Paragraph 1541.</p>			
1541	<p>Development of OASIS business practice standards and OASIS S&CPs to describe “the procedures for submitting and processing requests for concomitant evaluations of transmission requests and temporary terminations.</p>			
GROUP 4: CONDITIONAL FIRM; PRE-EMPTION; REQUEST R05019; and REVISIONS TO STANDARD 9.7				
1078	<p>Conditional Firm: In Paragraph 1078 of Order 890, the Commission directed transmission providers to “assign short-term firm service to conditional firm</p>	WEQ Annual	FORMAL COMMENT: The ESS/ITS plans to vote to send	The ESS/ITS has not begun drafting standards



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	<p>customers as the service becomes available.” The Commission also directed transmission providers to work with NAESB to “develop the appropriate communications protocols to implement this attribute of conditional firm service.” NAESB will develop OASIS business practices and OASIS S&CPs that will implement the ability to assign short-term firm service to conditional firm customers.</p> <p>Development of communication protocols for conditional firm including tracking mechanism and regional variation. Need to review the tagging rules related to the use of conditional firm.</p>	Plan Item 2	<p>the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 4 during the 4th Quarter, 2007/1st Quarter 2008.</p> <p>WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 4 items during the 1st Quarter 2008</p> <p>RATIFICATION: The ratification of the Recommendation for the Group 4 items will be complete by the end of the 1st Quarter 2008</p>	to address the Group 4 items at this time.
1269	<p>Revisions to Standard 001-9.7: NAESB will continue to work to revise NAESB WEQ business practice standard WEQ 001-9.7 (which addresses rollover rights for Redirected transmission service) to be consistent with the Commission’s policies.</p>	WEQ Annual Plan Item 2		
1407	<p>Pre-emption: Revise OASIS business practice standards and OASIS S&CPs so that “a new pre-confirmed request for transmission service would preempt a request of equal duration that has been accepted by the transmission provider but not yet confirmed by the transmission customer.” It is the expectation that the business practice standards to address preemption will be developed in conjunction with NAESB Request No. R05019 to modify OASIS standards and OASIS S&CPs to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff.</p> <p>This is consistent with NAESB Standard WEQ 001-4.25.</p>	WEQ Annual Plan Item 2		
	<p>NAESB Request No. R05019: During the work to address FERC Order 890, the ESS/ITS will also use the opportunity to modify OASIS standards and S&CP to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff as requested in NAESB Request No. R05019</p>	R05019		



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Order 890 Work Plan				
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1377	<p>GROUP 5: PARAGRAPH 1377</p> <p>NAESB will develop business practice standards to facilitate the coordination of requests across multiple transmission systems using the principles set forth in Paragraph 1377 of Order 890.</p> <p>Develop S&CPs related to coordination of request across multiple transmission systems.</p>	WEQ Annual Plan Item 2	<p>FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 5 during the 1st Quarter 2008.</p> <p>WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 4 items during the 2nd Quarter 2008.</p> <p>RATIFICATION: The ratification of the Recommendation for the Group 4 items will be complete by the end of the 2nd Quarter 2008</p>	The ESS/ITS has not begun drafting standards to address the Group 5 items at this time.
GROUP 6: MISCELLANEOUS				
1390	NAESB plans to review the existing business functions set forth in the NAESB WEQ standards to determine if changes should be made to address Paragraph 1390 of Order 890.	WEQ Annual Plan Item 2	<p>FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that</p>	The ESS/ITS has not begun drafting standards to address the Group 6



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Order 890 Work Plan				
Order Cite	Action Item/Work Plan	Action Item Home	Target Dates	Status
1627	<p>FERC: OATT is sufficient to allow a Transmission Provider to manage situations where the Transmission Customer modifies its application for service to the point that the request is "meaningfully different" than initial request.</p> <p>ESS/ITS: need to review if this has any impact on business functions.</p> <p>Development of OASIS business practice standards and OASIS S&CPs for "the posting of additional curtailment information on OASIS" via a "detailed template for the posting of additional information on OASIS regarding firm transmission curtailments.</p> <p>Posting of curtailment information on OASIS: develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments.</p>	WEQ Annual Plan Item 2	<p>includes the Business Practice Standards and S&CPs to address the items included in Group 4 during the 2nd Quarter 2008.</p> <p>WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 4 items during the 3rd Quarter 2008</p> <p>RATIFICATION: The ratification of the Recommendation for the Group 4 items will be complete by the end of the 3rd Quarter 2008</p>	items at this time.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS NAESB eTARIFF MEETING SUMMARY JUNE 28, 2007

E-TARIFF STANDARDS DEVELOPMENT – ASSIGNED TO WHOLESALE GAS AND WHOLESALE ELECTRIC:

- **February 1, 2006 :** A meeting was held at the FERC, opened by Chairman Kelliher. Proposals from INGAA, EEI, AOPL and Texas Intrastate Association were given, along with a review by FERC staff of requirements to be met for an e-Tariff program.
- **March 13, 2007:** A meeting was held at NAESB offices, chaired by Keith Sappenfield and Jane Daly. The FERC staff further delineated their requirements and answered questions from EEI and INGAA. The group began drafting standards.
- **April 26, 2007:** The e-Tariff Subcommittee met in Washington DC hosted by AGA. During this meeting, FERC Staff reviewed their work paper [Filing Field Data Example Submitted by FERC Staff](#) and answered questions on what data will be required for submittal of electronic tariff and related documents. The pipeline segment also presented their proposed approach regarding development of e-Tariff standards. After further discussion, it was determined that the e-Tariff Subcommittee needed to schedule a conference call prior to the June 4 meeting to determine what approach the NAESB e-Tariff standards will take.
- **May 21, 2007:** The e-Tariff Subcommittee met via conference call for a one-topic agenda – to determine the approach the NAESB e-Tariff standards will take. During the conference call, there was a unanimous decision to support the modified web portal approach.
- **June 4, 2007:** The group met in Phoenix, Arizona on June 4 hosted by Arizona Public Service. During this meeting, FERC Staff reviewed the individual data elements that would be required for e-Tariff filings. During this meeting, a motion was made to take a non binding straw vote to move forward with the document submitted by FERC staff that contained the required data elements. A motion was made to defer the first motion. The motion to defer passed the WEQ, but failed the WGQ.
- **Planned, mid July 2007:** The e-Tariff Subcommittee will meet via conference call to adopt the minutes from the April 26, May 21, and June 4 meetings. The agenda for the July 27 meeting will also be discussed during this call.
- **Planned, July 27, 2007:** The e-Tariff Subcommittee will meet in Washington, DC hosted by EEI. The agenda for this meeting will be determined during a conference call at the beginning of July. It is expected that the option A for the web portal approach will be more closely examined and the metadata will be reviewed again to complete the data element definitions. XML schemas and database file structures are being developed and may also be discussed at this meeting.



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NAESB E-TARIFF DISTRIBUTION LIST AS OF JUNE 1, 2007 SORTED BY NAME

Below sorted by name, is the current NAESB distribution list for e-Tariff related email notifications. The distribution list sorted by organization follows. If you are on this list in error, or if you would like to be added to this list, please call the NAESB office or email us and we will make the necessary corrections/additions.

Abendroth, Timm	INGAA	Burgess, Thomas C.	FirstEnergy Services Company
Ackerman, Eric	Edison Electric Institute	Burke, Oliver	Entergy
Ackerman, Jeffrey	WAPA	Burks, J. Cade	EC Power
Alvarez, Marianne	Exelon Corporation	Burnett, Tina	Boeing
Anderson, Brenda	Bonneville Power Administration	Busch, Jim	BP Energy
Anderson, John	ELCON	Butler, Scott	Consolidated Edison Company of NY
Anderson, Patricia	Oneok	Cadenhead, Roy	Enbridge
Anthony, Mike	Progress Energy Carolinas, Inc	Calcagno, Suzanne	UBS Energy LLC
Apperson, John	PacifiCorp Energy	Campbell, Linda	FRCC
Aria, Lora Herff	E.ON U.S. LLC	Camardello, Marg	Transco-Williams
Arnaut, Mariam	American Gas Association	Carriere, Jay	MidAmerican Energy Holdings Company
Babik, Jalal	Dominion	Carroll, MaryBeth	KeySpan
Ball, William	Southern Company	Castronovo, Amy	Enbridge Energy Company Inc.
Balu, Neal	WPS Resources	Cauley, Gerry	NERC
Barnes, Lisa	Westar Energy Inc.	Chapman, Adrian	Washington Gas
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Bartholomot, Henri	Edison Electric Institute	Ciza, John	Southern Company
Baskin, Lee	Kinder Morgan Texas Intrastate Pipeline Group	Clarke, Breanne	El Paso Corporation - Western Pipelines
Bayer, Janet	National Fuel	Cleveland, Ralph	AGL Resources
Beer, Michael S	E.ON U.S. LLC	Clore, Sally L.	Midwest ISO
Benham, Bill	BP Energy	Cobb, Antoine	Arizona Public Service Company
Bennett, Mark	Electric Power Supply Association	Cobb, Steven	Salt River Project
Berwager, Sydney	Bonneville Power Administration	Coleman, Betty	Xcel Energy Services, Inc.
Black, Shannon	SMUD	Coleman, Charles	FERC
Bomar, Anne	Dominion	Colombo, Craig	Dominion
Boston, Terry	Tennessee Valley Authority	Comer, Edward	Edison Electric Institute
Boswell, William	NAESB General Counsel	Connelly, David Martin	Bruder, Gentile & Marcoux, L.L.P.
Bourbonnais, William	WPS Resources	Cook, Chuck	Chevron/Texaco
Bourg, Naomi	Northern Natural Gas Company	Cook, David	NERC
Bradford, Louise	Trunkline Gas Company	Corse, Scott	Village of Morrisville Water & Light Department
Bretz, John	Anadarko	Cowan, Rich	TransCanada
Brooks, Dick	ISO - New England	Cox, Patty	CenterPoint Energy
Brosnan, Mary	NiSource Gas Transmission and Storage Group	Crabtree, David	Tampa Electric Company
Brown, Kenneth	Public Service Electric & Gas Corp.	Crockett, Valerie	Tennessee Valley Authority
Brown, Richard	Exelon Corporation	Cutting, John C.	NYISO
Buccigross, Jim	Group 8760	Daley, Kate	INGAA
Burch, Kathryn	Spectra Energy	Daly, Jane	Arizona Public Service Company
Burden, Christopher	Williams Gas Pipeline	Daly, Kelly	Stinson Morrison Hecker



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DeLeon, Susan M.	Iroquois Pipeline Operating Company	Grabiak, Terri	Allegheny Power
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DeWitt, Roy	El Paso Corporation - Western Pipelines	Grim, Machele	Dominion Transmission
Dimitman, Leslie M.	Bonneville Power Administration	Grim, Mike	TXU
Dison, Joel	Southern Company	Gross, Jerry	Questar Pipeline Company
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Dreskin, Joan	INGAA	Grygar, Bill	Panhandle Eastern Pipeline
Eaton, Terri	Xcel Energy Services, Inc.	Gussow, Dona	Florida Power and Light
Elizeh, Edison	PacifiCorp	Guthrie, Carol	ChevronTexaco
Ellsworth, Bruce	New York State Reliability Council	Gwilliam, Tom	Iroquois Gas Transmission System
Ellzey, Jay	Chevron Natural Gas	Hairston, KC	Balch & Bingham
Evans-Mongeon, Brian	Vermont Public Power Supply Authority	Hall, Brian	CenterPoint Energy
Fama, James P	Edison Electric Institute	Halpin, Francis	Bonneville Power Administration
Farquhar, Linda	Great Lakes Gas Transmission	Hamilton, Maurene	Sea Robin
Feagans, Chuck	Tennessee Valley Authority	Hammell, Matthew	FPL Energy, LOC
Fecal, Tina		Harmon, Clyde	Tennessee Valley Authority
Fidrych, Mark	WAPA	Harshbarger, Robert	Puget Sound Energy
Fina, Giuseppe	Bruder Gentile and Marcoux	Hartsoe, Joseph	AEP
Fish, Carmen	Williston Basin Pipeline	Haynes, Leonard	Southern Company
Foley, Pauline	Pinnacle West Capital Corporation	Hebenstreit, Bill	Cheniere Marketing Inc.
Foote, David K.	Unitil Service Corp.	Heckerman, Bambi	Northern Border
Fordney, Jason	Energy Daily	Hegler, Elaine D.	Daulphin Island Gathering Partners
Frost, Pete	ConocoPhillips Gas & Power	Hein, Jeff	Colorado Public Utilities Commission
Fudali, Kathy	Sprague Energy Corp.	Heinrich, William	New York State Department of Public Service
Fusco, Arthur	Central Electric Power Cooperative	Henery, Nick	APPA
Fyock, Les	APGA	Herbert, Keith	FERC
Gallagher, William	Vermont Public Power Supply Authority	Hicks, Jim	PacifiCorp
Gallant, Jody N.	ISO New England, Inc.	Hinners, Gary	Reliant Energy Services
Gant, Paula A	American Gas Association	Hinz, Andrew	FERC
Gent, Michehl	Summit Power	Holte, Tracee J.	Xcel Energy Services, Inc.
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Gildea, Michael	Constellation	Horting, Reed	Peco Energy Company
Ginsberg, Susan	IPAA	Horvath, Skip	NGSA
Glassman, Charlotte	Duke Energy Carolinas LLC	Hughes, John	ELCON
Glazer, Craig	PJM	Hunt, Erich (ET)	Pacific Gas & Electric
Godding, George	FERC	Ingebrigtsen, Brent	E.ON U.S. LLC
		Jagtiani, Pat	NGSA



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Jones, Angela	Macquarie Cook Energy LLC	McKee, Bob	American Transmission Company
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Kaeser, Brian J.	Dominion Transmission Inc.	McQuade, Rae	NAESB
Kardas, Joe	National Fuel Supply	McVicker, Diane	Salt River Project
Kells, Andrea R.	Bracewell & Guiliani	Mendoza, David	Transwestern Pipeline Company, LLC
Kelly-Detwiler, Peter	Constellation NewEnergy	MesPELLI, Kristine L.	National Grid
Kennedy, Laura	NAESB	Metteauer, Pat	Sequent Energy Management LP
Kerr, Paul	Coral Power LLC	Mihalik, Dan	Assoc. of Oil Pipe Lines
Key, Jennifer	Steptoe & Johnson	Miller, Bobbi S.	Allegheny Energy
Kijowski, Drake	PSEG Energy Resources & Trade	Minneman, James	PPL Solutions
Kirk, Steve	Northern Natural Gas Company	Mirr, Katy	Sempra Global
Kiselewich, Ruth	BGE	Mitchell, Mark	Salt River Project
Klein, Daniel	Alston & Bird LLP	Mizutani, Eileen	Kinder Morgan
Klein, Mark	Public Service Company of New Mexico	Molinaro, Jeffrey	Enterprise Partners LP
Klempel, Dan	Basin Electric Power	Morrison, Linda	ISO New England, Inc.
Knight, Charles	Florida Power and Light	Morrison, Terry	Florida Power and Light
Koogler, David	Dominion Virginia Power	Mosher, Allen	APPA
Kravis, Gary	UNICON Inc.	Moyer, Pat	Chevron Pipeline
Kravis, Ralph	UNICON Inc.	Mucci, Ron	Williams Power Company
Kruse, Richard	Spectra Energy	Mucilli, Antoinetta	National Fuel Gas Supply Corporation
Kwan, Deborah	Enterprise Products Partners	Munson, Sylvia	The Structure Group
Kyle, Cindy	Tampa Electric Company	Myers, Lynn Ellen	Southern California Edison Company
Lander, Gregory	Commerce Energy Group	Nagle, Molly	Tennessee Gas Pipeline
Lauderdale, Melissa L.	Edison Electric Institute	Nail, Lucia	Sungard
Lawson, Barry	NRECA	Needels, Kim	New York State Electric & Gas
Lewis, Donna	E.ON U.S. LLC	Neel, Lisa	Texas Gas Transmission LLC
Lichtenwalter, Blair	Transwestern Pipeline Company, LLC	Nelson, Cynthia D.	El Paso Western Pipelines
Livingston, Mary	Peoples Gas System	Neustifter, Robert M.	Consumers Energy Company
Locke, Greg	Electricities of North Carolina	Newberry, David	MidAmerican Energy
Lotto, Marcus	Southern California Edison Company	Nick, David	DTE Energy
Love, Paul	Natural Gas Pipe Line Company of America	Nishimuta, Lisa	ONEOK Partners GP LOC
Lucas, John	Southern Company Transmission	Norris, Clay	North Carolina Municipal Power Agency #1
MacDonald, Drew	Datanet Inc.	Novak, Michael	National Fuel Gas Distribution
Martin, Beth	We Energies	Nugent, Pat	Texas Pipeline Association
Martin, Deb	MidAmerican Energy Holdings Company	Nutsch, Casey	FERC
Martin, Lee	Bonneville Power Administration	Oberski, Louis	Dominion
Martinko, Robert	First Energy Services Company	Ogenyi, Gloria	Conectiv
May, Kerim	ISO New England, Inc.	Olsen, Greg	Ontario Power Generation
Mayer, Jr., Thomas E	Bonneville Power Administration	Olson, Clifton	Rochester Gas & Electric Corporation
Mayorga, Laura E.	Lee Wayne Corporation	O'Neill, Ean	California ISO
McCain, Marcy	Spectra Energy Transmission	Overtree, Ed	NAESB
		Pennington, J. Gordon	Representing United Illuminating Company



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NAESB E-TARIFF DISTRIBUTION LIST AS OF JUNE 1, 2007 SORTED BY NAME

Perlman, Marjorie	Energy East Management	Shepard, Mike	Mewbourne Oil Company
Petrella, Tony	Ontario Power Generation	Simpkins, Lisa	Constellation
Petersen, Don	Pacific Gas & Electric	Simpson, Denise	Ameren
Pierce, Keith	FERC	Skiba, Ed	Midwest ISO
Pierce, Mark	Spectra Energy	Smead, Rick	Navigant Consulting
Pincus, Steven	PJM	Smith, Larry	Tennessee Gas Pipeline Company
Plattsmier, Deborah	Chevron	Smith, Richard	ExxonMobil Gas & Power Marketing
Pommen, Diane	Alberta Electric System Operator	Snyder, Virginia J.	PJM Interconnection
Ponseti, Tim	Tennessee Valley Authority	Soderberg, Grace D.	NARUC
Popowsky, Sonny	Pennsylvania Office of Consumer Advocate	Sorenson, Paul	OATI
Potter, Chris	AEP	Spangler, Leigh	Latitude Technologies
Potter, Rob	Portland General Electric Company	Steffes, Darla	Northern Border
Precht, Phil	Constellation	Stender, Mike	El Paso Corporation
Pritchard, Alan	Duke Energy Corporation	Stepenovitch, Joe	Independent
Purtee, Jeffrey	Sierra Pacific Resources	Stewart, Cindy E.	FirstEnergy Service Company
Pysh, Rose	The United Illuminating Company (UI)	Stewart, Lee	Southern California Gas Company
Rager, Denise	NAESB	Stires, Susan	El Paso Natural Gas
Ralph, Robbie	Shell Pipeline Company	Stroh, Robert	Bruder, Gentile & Marcoux, L.L.P.
Raup, Christopher	Consolidated Edison of New York, Inc.	Sumter, Gail	Assoc. of Oil Pipe Lines
Reed, Bruce	BP Energy	Sutton, Dawn	Progress Energy Service Co., LOC
Rehman, Barbara	Bonneville Power Administration	Swamy, Priya	Dominion Transmission Inc.
Reilley, Robert	Coral Power LLC	Taylor, Lynn	CenterPoint Energy
Reitz, Dave	National Fuel Gas Supply	Templeton, Jim	Comprehensive Energy
Rhyno, Wendy	Alliance Pipeline Ltd.	Theodore, Sharon Royka	NiSource
Riner, Bobette	Powerdex, Inc.	Tholt, Jane	TransCanada
Rogers, Jan	Chevron	Thomason, Angela	NAESB
Rosenberg, Marv	Independent	Thomason, Veronica	NAESB
Royalty, Matt	Southern Star Central Gas Pipeline	Thompson, Cindy	Southern Star Central Gas Pipeline
Rudd, Doug	New Jersey Natural Gas Company	Thompson, Tim	Southern Star Central Gas Pipeline
Ruell, Cheryl A.	ISO New England, Inc.	Thorn, Michael J.	FirstEnergy Service Company
Saini, Narinder	Entergy	Thornton, Belinda	Tennessee Valley Authority
Sappenfield, Keith	EnCana Corporation	Thornton, Kathy	Enbridge Offshore
Sawyer, Dan	Enbridge Energy, Inc.	Tiggelaar, Keith	Williston Basin Interstate Pipeline Company
Scavo, Joseph	Old Hickory Consulting (rep: Entergy)	Tigue, John R.	NYSEG
Schaub, Patricia	FERC	Tilghman, Henry	PacifiCorp
Schmidt, Joann	Xcel Energy	True, Roy	ACES Power
Schmitke, Laurel	Alliance Pipeline Ltd.	Ulch, Dean	Southern Company
Schwecke, Rodger	Southern California Gas Company	Van Pelt, Kim	Panhandle Eastern Pipe Line
Schwermann, Robert	SMUD	Vandervort, Thomas	NERC
Severance, Charles	Wisconsin Public Service Corporation	VanGordon, Michelle L.	Midwest ISO
Shah, Hassan	Entergy	Vaughn, C. Mark	NiSource Pipeline
Shafer, Rueben	DataNet, Inc.	Vicente, Denny	BP Pipelines
Sharp, Korin	DTE Energy	Voeck, Julie	American Transmission Company
Sharp, Toni	Kern River	Warr, Martin	BP Energy
		Weathers, Wendy	Salt River Project



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Weaver, Alonzo	Memphis Light Gas and Water
Westerfield, Lou Ann	Idaho Public Utility Commission
White, Craig	Philadelphia Gas Works
Whiting, Luke	Florida Power and Light
Wiley, Ken	FRCC
Williams, Robert C. (Bob)	Florida Municipal Power Agency
Willis, Joe	Magellan Pipeline Company
Willis, Michelle	CenterPoint
Winterfeld, Curtis	Deseret Generation & Transmission Cooperative
Yang, Aiwei	Northern Natural Gas Company
Yeung, Charles	Southwest Power Pool
Yip, Nelson	Consolidated Edison
York, Katherine	Tennessee Valley Authority
Young, Randy	Gulf South Pipeline Company LP
Younglund, Marshia	Williams
Zeisler, Don	Williston Basin Interstate Pipeline Company
Zelenko, Richard	Dominion Retail Inc.



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True, Roy	ACES Power	Fina, Giuseppe	Bruder Gentile and Marcoux
Hartsoe, Joseph	AEP	Connelly, David Martin	Bruder, Gentile & Marcoux, L.L.P.
Potter, Chris	AEP	Stroh, Robert	Bruder, Gentile & Marcoux, L.L.P.
Cleveland, Ralph	AGL Resources	Jenness, Cayden	California ISO
Pommen, Diane	Alberta Electric System Operator	O'Neill, Ean	California ISO
Miller, Bobbi S.	Allegheny Energy	Daniel, Shonnie	Calpine Energy Services
Grabiak, Terri	Allegheny Power	Willis, Michelle	CenterPoint
Gies, Jennifer	Alliance Pipeline Ltd.	Cox, Patty	CenterPoint Energy
Goldmann, Jim	Alliance Pipeline Ltd.	Hall, Brian	CenterPoint Energy
Rhyno, Wendy	Alliance Pipeline Ltd.	Taylor, Lynn	CenterPoint Energy
Schmitke, Laurel	Alliance Pipeline Ltd.	Fusco, Arthur	Central Electric Power Cooperative
Klein, Daniel	Alston & Bird LLP	Hebenstreit, Bill	Cheniery Marketing Inc.
Simpson, Denise	Ameren	Plattsmier, Deborah	Chevron
Arnaout, Mariam	American Gas Association	Rogers, Jan	Chevron
Gant, Paula A	American Gas Association	Ellzey, Jay	Chevron Natural Gas
McKee, Bob	American Transmission Company	Moyer, Pat	Chevron Pipeline
Voeck, Julie	American Transmission Company	Cook, Chuck	Chevron/Texasco
Bretz, John	Anadarko	Guthrie, Carol	Chevron/Texasco
Fyock, Les	APGA	Hein, Jeff	Colorado Public Utilities Commission
Henery, Nick	APPA	Lander, Gregory	Commerce Energy Group
Mosher, Allen	APPA	Templeton, Jim	Comprehensive Energy
Cobb, Antoine	Arizona Public Service Company	Ogenyi, Gloria	Conectiv
Daly, Jane	Arizona Public Service Company	Frost, Pete	ConocoPhillips Gas & Power
Mihalik, Dan	Assoc. of Oil Pipe Lines	Yip, Nelson	Consolidated Edison
Sumter, Gail	Assoc. of Oil Pipe Lines	Butler, Scott	Consolidated Edison Company of NY
Hairston, KC	Balch & Bingham	Raup, Christopher	Consolidated Edison of New York, Inc.
Klempel, Dan	Basin Electric Power	Gildea, Michael	Constellation
Kiselewich, Ruth	BGE	Precht, Phil	Constellation
Burnett, Tina	Boeing	Simpkins, Lisa	Constellation
Anderson, Brenda	Bonneville Power Administration	Kelly-Detwiler, Peter	Constellation NewEnergy
Berwager, Sydney	Bonneville Power Administration	Johnson, Frank	Consumers Energy
Dimitman, Leslie M.	Bonneville Power Administration	Dotterweich, Andrew	Consumers Energy Company
Halpin, Francis	Bonneville Power Administration	Neustifter, Robert M.	Consumers Energy Company
Martin, Lee	Bonneville Power Administration	Kerr, Paul	Coral Power LLC
Mayer, Jr., Thomas E	Bonneville Power Administration	Reilley, Robert	Coral Power LLC
Rehman, Barbara	Bonneville Power Administration	MacDonald, Drew	Datanet Inc.
Benham, Bill	BP Energy	Shafer, Rueben	DataNet, Inc.
Busch, Jim	BP Energy	Hegler, Elaine D.	Daulphin Island Gathering Partners
Denton, Rhonda	BP Energy	Winterfeld, Curtis	Deseret Generation & Transmission Cooperative
Reed, Bruce	BP Energy	Jensen, Larry	Discovery/Black Marlin Pipeline
Warr, Martin	BP Energy	Babik, Jalal	Dominion
Vicente, Denny	BP Pipelines	Bomar, Anne	Dominion
Kells, Andrea R.	Bracewell & Guiliani		



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Colombo, Craig	Dominion	Kwan, Deborah	Enterprise Products Partners
Oberski, Louis	Dominion	Alvarez, Marianne	Exelon Corporation
Zelenko, Richard	Dominion Retail Inc.	Brown, Richard	Exelon Corporation
Grim, Machele	Dominion Transmission	Smith, Richard	ExxonMobil Gas & Power Marketing
Kaesar, Brian J.	Dominion Transmission Inc.	Barracchini, Tony	FERC
Swamy, Priya	Dominion Transmission Inc.	Coleman, Charles	FERC
Koogler, David	Dominion Virginia Power	Godding, George	FERC
Nick, David	DTE Energy	Goldenberg, Mike	FERC
Sharp, Korin	DTE Energy	Herbert, Keith	FERC
Glassman, Charlotte	Duke Energy Carolinas LLC	Hinz, Andrew	FERC
Pritchard, Alan	Duke Energy Corporation	Nutsch, Casey	FERC
Aria, Lora Herff	E.ON U.S. LLC	Pierce, Keith	FERC
Beer, Michael S	E.ON U.S. LLC	Schaub, Patricia	FERC
Ingebrigtsen, Brent	E.ON U.S. LLC	Martinko, Robert	First Energy Services Company
Lewis, Donna	E.ON U.S. LLC	Judnick, Marla	FirstEnergy Service Company
Burks, J. Cade	EC Power	Stewart, Cindy E.	FirstEnergy Service Company
Ackerman, Eric	Edison Electric Institute	Thorn, Michael J.	FirstEnergy Service Company
Bartholomot, Henri	Edison Electric Institute	Burgess, Thomas C.	FirstEnergy Services Company
Comer, Edward	Edison Electric Institute	Williams, Robert C. (Bob)	Florida Municipal Power Agency
Fama, James P	Edison Electric Institute	Gussow, Dona	Florida Power and Light
Lauderdale, Melissa L.	Edison Electric Institute	Knight, Charles	Florida Power and Light
Stender, Mike	El Paso Corporation	Morrison, Terry	Florida Power and Light
Clarke, Breanne	El Paso Corporation - Western Pipelines	Whiting, Luke	Florida Power and Light
DeWitt, Roy	El Paso Corporation - Western Pipelines	Hammell, Matthew	FPL Energy, LOC
Griffith, William	El Paso Natural Gas	Campbell, Linda	FRCC
Stires, Susan	El Paso Natural Gas	Wiley, Ken	FRCC
Nelson, Cynthia D.	El Paso Western Pipelines	McGovern, Patrick	Georgia Transmission Corporation
Anderson, John	ELCON	Farquhar, Linda	Great Lakes Gas Transmission
Hughes, John	ELCON	Buccigross, Jim	Group 8760
Bennett, Mark	Electric Power Supply Association	Young, Randy	Gulf South Pipeline Company LP
Locke, Greg	Electricities of North Carolina	Westerfield, Lou Ann	Idaho Public Utility Commission
McCrary, Carol	Electricities of North Carolina	Rosenberg, Marv	Independent
Cadenhead, Roy	Enbridge	Stepenovitch, Joe	Independent
Castronovo, Amy	Enbridge Energy Company Inc.	Abendroth, Timm	INGAA
Sawyer, Dan	Enbridge Energy, Inc.	Daley, Kate	INGAA
Thornton, Kathy	Enbridge Offshore	Dreskin, Joan	INGAA
Sappenfield, Keith	EnCana Corporation	Ginsberg, Susan	IPAA
Fordney, Jason	Energy Daily	Gwilliam, Tom	Iroquois Gas Transmission System
Perlman, Marjorie	Energy East Management	DeLeon, Susan M.	Iroquois Pipeline Operating Company
Burke, Oliver	Entergy	Brooks, Dick	ISO - New England
Davis, Edward	Entergy	Gallant, Jody N.	ISO New England, Inc.
Saini, Narinder	Entergy	May, Kerim	ISO New England, Inc.
Shah, Hassan	Entergy	Morrison, Linda	ISO New England, Inc.
Molinaro, Jeffrey	Enterprise Partners LP	Ruell, Cheryl A.	ISO New England, Inc.
		Sharp, Toni	Kern River



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Carroll, MaryBeth	KeySpan	Ellsworth, Bruce	New York State Reliability Council
Chezar, Dolores	KeySpan	Horvath, Skip	NGSA
Mizutani, Eileen	Kinder Morgan	Jagtiani, Pat	NGSA
Baskin, Lee	Kinder Morgan Texas Intrastate Pipeline Group	Theodore, Sharon Royka	NiSource
Spangler, Leigh	Latitude Technologies	Brosnan, Mary	NiSource Gas Transmission and Storage Group
Mayorga, Laura E.	Lee Wayne Corporation	Vaughn, C. Mark	NiSource Pipeline
Jones, Angela	Macquarie Cook Energy LLC	Norris, Clay	North Carolina Municipal Power Agency #1
Granger, Tina	Magellan Pipeline Company	Heckerman, Bambi	Northern Border
Willis, Joe	Magellan Pipeline Company	Steffes, Darla	Northern Border
Weaver, Alonzo	Memphis Light Gas and Water	Barry, Patrick	Northern Natural Gas Company
Shepard, Mike	Mewbourne Oil Company	Bourg, Naomi	Northern Natural Gas Company
Newberry, David	MidAmerican Energy	Kirk, Steve	Northern Natural Gas Company
Carriere, Jay	MidAmerican Energy Holdings Company	Yang, Aiwei	Northern Natural Gas Company
Martin, Deb	MidAmerican Energy Holdings Company	Lawson, Barry	NRECA
Clore, Sally L.	Midwest ISO	Grover, Mary E.	NSTAR Electric & Gas Corporation
Skiba, Ed	Midwest ISO	Cutting, John C.	NYISO
VanGordon, Michelle L.	Midwest ISO	DeMello, Bob	NYISO
Kennedy, Laura	NAESB	Tigue, John R.	NYSEG
McQuade, Rae	NAESB	Sorenson, Paul	OATI
Overtree, Ed	NAESB	Scavo, Joseph	Old Hickory Consulting (rep: Entergy)
Rager, Denise	NAESB	Anderson, Patricia	Oneok
Thomason, Angela	NAESB	Nishimuta, Lisa	ONEOK Partners GP LOC
Thomason, Veronica	NAESB	Green, Barry	Ontario Power Generation
Boswell, William	NAESB General Counsel	Olsen, Greg	Ontario Power Generation
Gray, Chuck	NARUC	Petrella, Tony	Ontario Power Generation
Soderberg, Grace D.	NARUC	Hunt, Erich (ET)	Pacific Gas & Electric
Goodman, Craig	National Energy Marketers Association	Petersen, Don	Pacific Gas & Electric
Bayer, Janet	National Fuel	Elizeh, Edison	PacifiCorp
Novak, Michael	National Fuel Gas Distribution	Hicks, Jim	PacifiCorp
Reitz, Dave	National Fuel Gas Supply	Tilghman, Henry	PacifiCorp
Mucilli, Antoinetta	National Fuel Gas Supply Corporation	Apperson, John	PacifiCorp Energy
Kardas, Joe	National Fuel Supply	Van Pelt, Kim	Panhandle Eastern Pipe Line
Mespelli, Kristine L.	National Grid	Grygar, Bill	Panhandle Eastern Pipeline
Love, Paul	Natural Gas Pipe Line Company of America	Horting, Reed	Peco Energy Company
Smead, Rick	Navigant Consulting	McCawley, John	Peco Energy Company
Cauley, Gerry	NERC	Popowsky, Sonny	Pennsylvania Office of Consumer Advocate
Cook, David	NERC	Livingston, Mary	Peoples Gas System
Vandervort, Thomas	NERC	White, Craig	Philadelphia Gas Works
Rudd, Doug	New Jersey Natural Gas Company	Foley, Pauline	Pinnacle West Capital Corporation
Heinrich, William	New York State Department of Public Service	Glazer, Craig	PJM
Needels, Kim	New York State Electric & Gas	Pincus, Steven	PJM
		Snyder, Virginia J.	PJM Interconnection
		Potter, Rob	Portland General Electric Company



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Riner, Bobette	Powerdex, Inc.	Fudali, Kathy	Sprague Energy Corp.
Minneman, James	PPL Solutions	Key, Jennifer	Stephoe & Johnson
Anthony, Mike	Progress Energy Carolinas, Inc	Daly, Kelly	Stinson Morrison Hecker
Sutton, Dawn	Progress Energy Service Co., LOC	Gent, Michehl	Summit Power
Kijowski, Drake	PSEG Energy Resources & Trade	Nail, Lucia	Sungard
Klein, Mark	Public Service Company of New Mexico	Darnell, Dave	Systrends
Brown, Kenneth	Public Service Electric & Gas Corp.	Crabtree, David	Tampa Electric Company
Harshbarger, Robert	Puget Sound Energy	Kyle, Cindy	Tampa Electric Company
Gross, Jerry	Questar Pipeline Company	Nagle, Molly	Tennessee Gas Pipeline
Hinners, Gary	Reliant Energy Services	Gracey, Mark	Tennessee Gas Pipeline Company
Choate, Cort	Representing FirstEnergy	Smith, Larry	Tennessee Gas Pipeline Company
Pennington, J. Gordon	Representing United Illuminating Company	Boston, Terry	Tennessee Valley Authority
Olson, Clifton	Rochester Gas & Electric Corporation	Crockett, Valerie	Tennessee Valley Authority
Cobb, Steven	Salt River Project	Feagans, Chuck	Tennessee Valley Authority
Weathers, Wendy	Salt River Project	Harmon, Clyde	Tennessee Valley Authority
McVicker, Diane	Salt River Project	Ponseti, Tim	Tennessee Valley Authority
Mitchell, Mark	Salt River Project	Thornton, Belinda	Tennessee Valley Authority
Hamilton, Maurene	Sea Robin	York, Katherine	Tennessee Valley Authority
Mirr, Katy	Sempra Global	Neel, Lisa	Texas Gas Transmission LLC
Mettauauer, Pat	Sequent Energy Management LP	Nugent, Pat	Texas Pipeline Association
Ralph, Robbie	Shell Pipeline Company	Munson, Sylvia	The Structure Group
Purtee, Jeffrey	Sierra Pacific Resources	Pysh, Rose	The United Illuminating Company (UI)
Black, Shannon	SMUD	Cowan, Rich	TransCanada
Schwermann, Robert	SMUD	Tholt, Jane	TransCanada
Gopal, Jairam	Southern California Edison Company	Camardello, Marg	Transco-Williams
Lotto, Marcus	Southern California Edison Company	Lichtenwalter, Blair	Transwestern Pipeline Company, LLC
Myers, Lynn Ellen	Southern California Edison Company	Mendoza, David	Transwestern Pipeline Company, LLC
Schwecke, Rodger	Southern California Gas Company	Bradford, Louise	Trunkline Gas Company
Stewart, Lee	Southern California Gas Company	Grim, Mike	TXU
Ball, William	Southern Company	McKeever, Deborah	TXU Electric Delivery
Ciza, John	Southern Company	Calcagno, Suzanne	UBS Energy LLC
Dison, Joel	Southern Company	Kravis, Gary	UNICON Inc.
Haynes, Leonard	Southern Company	Kravis, Ralph	UNICON Inc.
Ulch, Dean	Southern Company	Demeris, Elena	Unitil Service Corp.
Lucas, John	Southern Company Transmission	Foote, David K.	Unitil Service Corp.
Royalty, Matt	Southern Star Central Gas Pipeline	Evans-Mongeon, Brian	Vermont Public Power Supply Authority
Thompson, Cindy	Southern Star Central Gas Pipeline	Gallagher, William	Vermont Public Power Supply Authority
Thompson, Tim	Southern Star Central Gas Pipeline	Corse, Scott	Village of Morrisville Water & Light Department
Desselle, Michael	Southwest Power Pool	Ackerman, Jeffrey	WAPA
Yeung, Charles	Southwest Power Pool	Fidrych, Mark	WAPA
Burch, Kathryn	Spectra Energy	Chapman, Adrian	Washington Gas
Kruse, Richard	Spectra Energy	Martin, Beth	We Energies
Pierce, Mark	Spectra Energy		
McCain, Marcy	Spectra Energy Transmission		



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Barnes, Lisa	Westar Energy Inc.
Younglund, Marshia	Williams
Burden, Christopher	Williams Gas Pipeline
Davis, Dale	Williams Gas Pipeline
Mucci, Ron	Williams Power Company
Tiggelaar, Keith	Williston Basin Interstate Pipeline Company
Zeiszler, Don	Williston Basin Interstate Pipeline Company
Fish, Carmen	Williston Basin Pipeline
Horn, Linda	Wisconsin Electric Power
Derricks, Dennis	Wisconsin Public Service Corporation
Severance, Charles	Wisconsin Public Service Corporation
Balu, Neal	WPS Resources
Bourbonnais, William	WPS Resources
Schmidt, Joann	Xcel Energy
Coleman, Betty	Xcel Energy Services, Inc.
Eaton, Terri	Xcel Energy Services, Inc.
Holte, Tracee J.	Xcel Energy Services, Inc.
Fecal, Tina	

Web-Based Portal Options

The following two tabs provide options for making tariff related filings through a web-based portal. Option A would enable companies to package an entire tariff filing (attachments plus tariff) in one filing package. Option B is a web-based form fill-in application with an option for filing tariff sheets/sections as a package. (Under Option B, attachments would be filed through the form-fill in and browse features).

Notes: (1) At this point, Commission staff does not have authorization to build both options.

(2) The amount of data entered under some of the fields will depend on the complexity of the organization of the tariff.

(3) Note that some elements may be changed as the result of further technical discussions (ex: the grey background elements).

[Option A -- Web-Based: Full Tariff Filing Package](#)

[Option B -- Web-Based: Individual data element entry and tariff package](#)

The responses contained herein reflect only the views of Commission staff and do not necessarily reflect the position of the Commission or any specific Commissioner

Prepared by Keith Pierce, OEMR

Patterned background indicates additional discussion on alternative means of defining required data may be required

Red border = fields used for establishing relationships between various data tables

Web Page Data Elements					
<i>Option A: Full Tariff Filing Package submitted over the Web</i>					
<i>Larger filers will need their own application to prepare the package. FERC will need to provide a simple packaging application to enable smaller companies to create</i>					
Filing Data			Responsibility for Data/Mean of data submission		
			Type of data entry at FERC Website		
1	A	B	C		
2	<i>Business Name</i>	<i>Element Name</i>	<i>Field Format</i>		
3					
4					
5	Company Identifier	company_id	Numeric (10)	Applicant, embedded in package and entered at website log-in	Keyboard at website
6	Filing Identifier	filing_id	Numeric (10)	Applicant, embedded in package	NA
7	Filing Title/Description	filing_title	Alphanumeric (80)	Applicant, embedded in package	NA
8	Database Identifier	tariff_id	Numeric (10)	Applicant, embedded in package	NA
9	Database Title	tariff_title	Alphanumeric (100)	Applicant, embedded in package	NA
10	Type of filing/Filing reference code	filing_type	Numeric (10)	Applicant, embedded in package and selected from drop-down	Point and select filing type at website followed by Browse and Select Package
11	Point of Contact First Name	poc_fname	Character (30)	Applicant, embedded in package	NA
12	Point of Contact Middle Initial	poc_midinit	Character (1)	Applicant, embedded in package	NA
13	Point of Contact Last Name	poc_lname	Character (30)	Applicant, embedded in package	NA
14	Point of Contact phone number	poc_phone	Character (15)	Applicant, embedded in package	NA
15	Point of Contact email address	poc_email	Alphanumeric (100)	Applicant, embedded in package	NA
16	Company Authorizing person First Name	auth_fname	Character (30)	Applicant, embedded in package	NA
17	Company Authorizing person Middle Initial	auth_midinit	Character (1)	Applicant, embedded in package	NA
18	Company Authorizing person Last Name	auth_lname	Character (30)	Applicant, embedded in package	NA
19	Authorizer/Signer email	signer_email	Alphanumeric (100)	Applicant, embedded in package	NA
20	Associated Filing	assoc_filing	Numeric (10)	Applicant, embedded in package	NA

Prepared by Keith Pierce, OEMR

Patterned background indicates additional discussion on alternative means of defining required data may be required

Red border = fields used for establishing relationships between various data tables

Web Page Data Elements					
<i>Option A: Full Tariff Filing Package submitted over the Web</i>					
<i>Larger filers will need their own application to prepare the package. FERC will need to provide a simple packaging application to enable smaller companies to create</i>					
Filing Data			Responsibility for Data/Mean of data submission		Type of data entry at FERC Website
1	A	B	C		
2	<i>Business Name</i>	<i>Element Name</i>	<i>Field Format</i>		
3					
4					
21	Fee reference code	fee		Applicant, embedded in package	NA
22	Suspension Motion	sus_motion		Applicant, embedded in package	NA
23	Filing Attachment Data				
24	Company Identifier	company_id	Numeric (10)	Applicant, embedded in package	NA
25	Filing Identifier	filing_id	Numeric (10)	Applicant, embedded in package	NA
26	Attachment Reference Code	att_ref	Numeric (10)	Applicant, embedded in package	NA
27	Waiver requested	waive_req	Character (1)	Applicant, embedded in package	NA
28	Supporting document	doc_raw_data	Binary (10 MB)	Applicant, embedded in package	NA
29	Supporting document filename	doc_filename	Alphanumeric (64)	Applicant, embedded in package	NA
30	Document Security Level	doc_sec_lvl	Character (1)	Applicant, embedded in package	NA
31	Tariff Content Data				
32	Company Identifier	company_id	Numeric (10)	Applicant, embedded in package	NA
33	Filing Identifier	filing_id	Numeric (10)	Applicant, embedded in package	NA
34	Database Identifier	tariff_id	Numeric (10)	Applicant, embedded in package	NA
35	Option Designation	filing_opt	Character (1)	Applicant, embedded in package	NA
36	Record Identifier	sect_id	Numeric (10)	Applicant, embedded in package	NA
37	Record Title	sect_title	Alphanumeric (254)	Applicant, embedded in package	NA
38	Record Number	sect_num	Alphanumeric (25)	Applicant, embedded in package	NA
39	Record Collation value	sect_sort	Alphanumeric (25)	Applicant, embedded in package	NA
40	Alternative Record Number	alt_sec_num		Applicant, embedded in package	NA

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Patterned background indicates additional discussion on alternative means of defining required data may be required

Red border = fields used for establishing relationships between various data tables

Web Page Data Elements					
<i>Option A: Full Tariff Filing Package submitted over the Web</i>					
<i>Larger filers will need their own application to prepare the package. FERC will need to provide a simple packaging application to enable smaller companies to create</i>					
Filing Data			Responsibility for Data/Mean of data submission		Type of data entry at FERC Website
4	Business Name	Element Name	Field Format		
41	Record Parent or Container Identifier	sect_parent	Numeric (10)	Applicant, embedded in package	NA
42	Record Effective Date	eff_date	Date (10)	Applicant, embedded in package	NA
43	Record Effective Priority order	apply_order	Numeric (10)	Applicant, embedded in package	NA
44	Record raw data	sect_data	Binary (10 MB)	Applicant, embedded in package	NA
45	Record plain text	sect_text	Alphanumeric (10 MB)	Applicant, embedded in package	NA
46	Record type change requested	sect_change	Character (15)	Applicant, embedded in package	NA
47	Associated Filing	assoc_filing	Numeric (10)	Applicant, embedded in package	NA
48	Associated Record Identifier	assoc_sect_id	Numeric (10)	Applicant, embedded in package	NA
49	Associated Option Designation	assoc_option	Character (1)	Applicant, embedded in package	NA

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Red border = fields used for establishing relationships between various data tables

				Web Page Data Elements	
1	A	B	C		
2	<i>Business Name</i>	<i>Element Name</i>	<i>Field Format</i>	<i>Option B: Section and Tariff Package Comments</i>	
3				<i>FERC will post data input fields as described below. FERC may provide a simple Tariff packaging software, but Tariff Package option really designed for those applicants with 3rd party software.</i>	
4	Filing Data			Responsibility for Data/Means of data submission	Type of data entry at FERC Website
5	Company Identifier	company_id	Numeric (10)	Applicant, entered at website log-in	Keyboard at website
6	Filing Identifier	filing_id	Numeric (10)	Applicant, entered at website	Keyboard at website
7	Filing Title/Description	filing_title	Alphanumeric (80)	Applicant, entered at website	Keyboard at website
8	Database Identifier	tariff_id	Numeric (10)	Applicant, entered at website	Keyboard at website
9	Database Title	tariff_title	Alphanumeric (100)	Applicant, entered at website	Keyboard at website
10	Type of filing/Filing reference code	filing_type	Numeric (10)	Applicant, entered at website	Point and select at website
11	Point of Contact First Name	poc_fname	Character (30)	Applicant, entered at website	Keyboard at website
12	Point of Contact Middle Initial	poc_midinit	Character (1)	Applicant, entered at website	Keyboard at website
13	Point of Contact Last Name	poc_lname	Character (30)	Applicant, entered at website	Keyboard at website
14	Point of Contact phone number	poc_phone	Character (15)	Applicant, entered at website	Keyboard at website
15	Point of Contact email address	poc_email	Alphanumeric (100)	Applicant, entered at website	Keyboard at website
16	Company Authorizing person First Name	auth_fname	Character (30)	Applicant, entered at website	Keyboard at website
17	Company Authorizing person Middle Initial	auth_midinit	Character (1)	Applicant, entered at website	Keyboard at website
18	Company Authorizing person Last Name	auth_lname	Character (30)	Applicant, entered at website	Keyboard at website
19	Authorizer/Signer email	signer_email	Alphanumeric (100)	Applicant, entered at website	Keyboard at website
20	Associated Filing	assoc_filing	Numeric (10)	Applicant, entered at website	Keyboard at website

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Patterned background indicates additional discussion on alternative means of defining required data may be required
Red border = fields used for establishing relationships between various data tables

				Web Page Data Elements		
	A	B	C			
1						
2	<i>Business Name</i>	<i>Element Name</i>	<i>Field Format</i>	<i>Option B: Section and Tariff Package Comments</i>		
3				<i>FERC will post data input fields as described below. FERC may provide a simple Tariff packaging software, but Tariff Package option really designed for those applicants with 3rd party software.</i>		
4	Filing Data			Responsibility for Data/Means of data submission	Type of data entry at FERC Website	
21	Fee reference code	fee		Applicant, entered at website	Keyboard at website	
22	Suspension Motion	sus_motion		Applicant, entered at website	Keyboard at website	
23	Filing Attachment Data					
24	Company Identifier	company_id	Numeric (10)	FERC website populated	NA	
25	Filing Identifier	filing_id	Numeric (10)	FERC website populated	NA	
26	Attachment Reference Code	att_ref	Numeric (10)	Applicant, entered at website	Objective: Point and select at website, but because of integrated nature of data, risk if FERC can deliver	
27	Waiver requested	waive_req	Character (1)	Applicant, entered at website	Keyboard at website	
28	Supporting document	doc_raw_data	Binary (10 MB)	Applicant, entered at website	Browse and select	
29	Supporting document filename	doc_filename	Alphanumeric (64)	Applicant, entered at website	Keyboard at website	
30	Document Security Level	doc_sec_lvl	Character (1)	Applicant, entered at website	Objective: Point and select at website, but because of integrated nature of data, risk if FERC can deliver	
31	Tariff Content Data			Package Option: Browse and select	Website entry option	
32	Company Identifier	company_id	Numeric (10)	Applicant, embedded in package	FERC website populated	NA
33	Filing Identifier	filing_id	Numeric (10)	Applicant, embedded in package	FERC website populated	NA
34	Database Identifier	tariff_id	Numeric (10)	Applicant, embedded in package	FERC website populated	NA
35	Option Designation	filing_opt	Character (1)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website
36	Record Identifier	sect_id	Numeric (10)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website
37	Record Title	sect_title	Alphanumeric (254)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website
38	Record Number	sect_num	Alphanumeric (25)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website
39	Record Collation value	sect_sort	Alphanumeric (25)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website
40	Alternative Record Number	alt_sec_num		Applicant, embedded in package	Applicant, keyboard	Keyboard at website

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47	Associated Filing	assoc_filing	Numeric (10)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website
48	Associated Record Identifier	assoc_sect_id	Numeric (10)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website
49	Associated Option Designation	assoc_option	Character (1)	Applicant, embedded in package	Applicant, keyboard	Keyboard at website

NOTE: Point of Contact, Document attachment, and Section option may require new screens for each additional set of data.

117 FERC ¶ 61,095
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

18 CFR Parts 38 and 284

Standards for Business Practices for Interstate Natural Gas Pipelines

Standards for Business Practices for Public Utilities

(Docket Nos. RM96-1-027 and RM05-5-001)

(October 25, 2006)

AGENCY: Federal Energy Regulatory Commission.

ACTION: Notice of Proposed Rulemaking.

SUMMARY: The Federal Energy Regulatory Commission (Commission) proposes to amend its open access regulations governing standards for business practices and electronic communications with interstate natural gas pipelines and public utilities. The Commission is proposing to incorporate by reference certain standards promulgated by the Wholesale Gas Quadrant (WGQ) and the Wholesale Electric Quadrant (WEQ) of the North American Energy Standards Board (NAESB). These standards will establish communication protocols between interstate pipelines and power plant operators and transmission owners and operators. Through this rulemaking, the Commission is seeking to improve coordination between the gas and electric industries in order to limit miscommunications about scheduling of gas-fired generators.

Docket Nos. RM96-1-027 and RM05-5-001

- 2 -

DATES: Comments are due **[insert date 45 days after publication in the FEDERAL REGISTER]**

ADDRESSES: Comments and reply comments may be filed electronically via the eFiling link on the Commission's web site at www.ferc.gov. Documents created electronically using word processing software should be filed in the native application or print-to-PDF format and not in a scanned format. This will enhance document retrieval for both the Commission and the public. The Commission accepts most standard word processing formats and commenters may attach additional files with supporting information in certain other file formats. Attachments that exist only in paper form may be scanned. Commenters filing electronically should not make a paper filing. Service of rulemaking comments is not required. Commenters that are not able to file electronically must send an original and 14 copies of their comments to: Federal Energy Regulatory Commission, Office of the Secretary, 888 First Street, N.E., Washington, D.C., 20426.

FOR FURTHER INFORMATION CONTACT:

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Docket Nos. RM96-1-027 and RM05-5-001

- 3 -

Eric Winterbauer
Office of the General Counsel
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426
202-502-8329

SUPPLEMENTARY INFORMATION:

Table of Contents

	<u>Paragraph Numbers</u>
I. Background	<u>3.</u>
II. Discussion	<u>11.</u>
A. Incorporation of Standards by Reference	<u>11.</u>
B. Additional Issues Raised by NAESB	<u>16.</u>
1. Clarifications Regarding Gas Standards	<u>17.</u>
a. Use of Gas Indices for Pricing Capacity Release Transactions	<u>17.</u>
b. Pipelines' Ability to Permit Shippers to Choose Alternate Delivery Points	<u>19.</u>
c. Changes to the Intraday Nomination Gas Schedule	<u>22.</u>
2. Clarifications Regarding Electric Standards	<u>24.</u>
a. Standards Relating to RTO/ISO Scheduling	<u>24.</u>
b. Other Electric Standards Issues	<u>28.</u>
III. Notice of Use of Voluntary Consensus Standards	<u>29.</u>
IV. Information Collection Statement	<u>30.</u>
V. Environmental Analysis	<u>31.</u>
VI. Regulatory Flexibility Act Certification	<u>32.</u>
VII. Comment Procedures	<u>33.</u>
VIII. Document Availability	<u>36.</u>

UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Standards for Business Practices for
Interstate Natural Gas Pipelines

Docket No. RM96-1-027

Standards for Business Practices for
Public Utilities

Docket No. RM05-5-001

NOTICE OF PROPOSED RULEMAKING

(October 25, 2006)

1. The Federal Energy Regulatory Commission (Commission) proposes to amend parts 38 and 284 of its open access regulations governing standards for business practices and electronic communications with interstate natural gas pipelines and public utilities. The Commission is proposing to incorporate by reference certain standards promulgated by the Wholesale Gas Quadrant (WGQ) and the Wholesale Electric Quadrant (WEQ) of the North American Energy Standards Board (NAESB). These standards will establish communication protocols between interstate pipelines and power plant operators and transmission owners and operators. Through this rulemaking, the Commission is seeking to improve coordination between the gas and electric industries in order to limit miscommunications about scheduling of gas-fired generators. Improved communications should ensure reliability in both industries.

2. NAESB also filed a report with the Commission including, among other things, a list of issues regarding coordination between the gas and electric industries that NAESB

Docket Nos. RM96-1-027 and RM05-5-001

- 2 -

could not resolve. In particular, this report highlighted coordination problems between the gas industry and the scheduling practices of independent system operators (ISOs) and regional transmission organizations (RTOs). The Commission is concerned that, although organized markets often rely upon gas-fired generation to meet reliability requirements, the current scheduling processes of these market may not afford such generators the flexibility necessary to schedule their gas transactions effectively or to recover the full costs of such transactions, especially when gas prices are volatile. To address these issues, the Commission is establishing proceedings under section 206 of the Federal Power Act to examine whether ISOs and RTOs should be required to implement scheduling and compensation mechanisms to ensure that gas-fired generators can obtain gas when the gas-fired generation is necessary for reliability and that they are compensated appropriately when volatility in gas prices creates difficulty in recovering gas costs.

I. Background

3. NAESB is a non-profit, private standards development organization established in January 2002 to propose and adopt voluntary standards and model business practices designed to promote more competitive and efficient natural gas and electric service. Since 1995, NAESB and its predecessor, the Gas Industry Standards Board, have been accredited members of the American National Standards Institute (ANSI), complying with ANSI's requirements that its standards reflect a consensus of the affected industries.

Docket Nos. RM96-1-027 and RM05-5-001

- 3 -

4. NAESB's standards include business practices that streamline the transactional processes of the natural gas and electric industries, as well as communication protocols and related standards designed to improve the efficiency of communication within each industry. NAESB supports all four quadrants of the gas and electric industries—wholesale gas, wholesale electricity, retail gas, and retail electricity—and recognizes the ongoing convergence of the gas and electric businesses by ensuring that its standards receive the input of all industry quadrants when appropriate. All participants in the gas and electric industries are eligible to join NAESB, belong to one or more quadrant(s), and participate in standards development.

5. NAESB's wholesale gas quadrant (WGQ) is composed of five industry segments: pipelines, producers, local distribution companies, end users, and services (including marketers and computer service companies). NAESB's wholesale electric quadrant similarly includes five industry segments: transmission, generation, marketer/brokers, distribution/load serving entities, and end users. NAESB's procedures ensure that all industry members can have input into the development of a standard, whether or not they are members of NAESB, and each standard NAESB adopts is supported by a consensus of the relevant industry segments.

6. Since 1996, in Order No. 587 and subsequent orders, the Commission, through its notice-and-comment rulemaking process, adopted relevant gas standards by incorporating

Docket Nos. RM96-1-027 and RM05-5-001

- 4 -

these standards by reference into its regulations.¹ On April 25, 2006, the Commission by a similar process incorporated by reference the first set of NAESB electric standards.²

7. In January 2004, a cold snap highlighted the need for better coordination and communication between the gas and electric industries as coincident peaks occurred in both industries making the acquisition of gas and transportation by power plant operators more difficult. In response to this need, in early 2004, NAESB established a Gas-Electric Coordination Task Force to examine issues related to the interrelationship of the gas and electric industries and identify potential areas for improved coordination through standardization. Because of the importance of such coordination, the NAESB Board of Directors established a Gas-Electric Interdependency Committee in September 2004 to review coordination issues and identify potential areas for standards development.

8. As a result of these efforts, on June 27, 2005, NAESB filed a status report with the Commission. The report included ten business practice standards jointly developed by the wholesale gas and electric quadrants, the first such collaboration between the two

¹ Standards For Business Practices Of Interstate Natural Gas Pipelines, Order No. 587, 61 FR 39053 (July 26, 1996), FERC Stats. & Regs. Regulations Preambles [July 1996-December 2000] ¶ 31,038 (July 17, 1996).

² Standards for Business Practices and Communication Protocols for Public Utilities, 71 FR 26199 (May 4, 2006), FERC Stats. & Regs. Regulations Preambles ¶ 31,216 (Apr. 25, 2006).

Docket Nos. RM96-1-027 and RM05-5-001

- 5 -

quadrants. The standards, in general, address communication processes between pipelines, power plant operators, and transmission operators.³

9. Additionally, the report highlights 13 issues involving gas and electric interdependency. These issues relate to fundamental differences between the two industries, including differences in lead time to prepare for load fluctuations, differences in the precision of instrumentation, and differences in the “utility model” used in the electric industry (in which generating capacity is planned for and built for anticipated future requirements) and the gas industry’s “market-driven model” (in which gas capacity is built only for those contracting for such capacity).

10. On February 24, 2006, NAESB filed a final report with the Commission on the efforts of the Gas-Electric Interdependency Committee. Based on the 13 issues, the final report identified six potential areas where existing standards should be reexamined to determine whether new or updated business practices could improve communications between the gas and electric industries. In these six areas, the report makes requests to the Commission to clarify existing policies or identifies areas for standards development.

³ On June 28, 2006, NAESB filed a report advising that the following permanent numbers have been assigned to these standards. The standards for the Wholesale Electric Quadrant are Gas/Electric Coordination Standards WEQ-011-0.1 through WEQ-011-0.3 and WEQ-011-1.1 through WEQ-011-1.6. The standards for the Wholesale Gas Quadrant are: Additional Standards, Definitions 0.2.1 through 0.2.3 and Standards 0.3.11 through 0.3.15.

Docket Nos. RM96-1-027 and RM05-5-001

- 6 -

Not all such standards development is supported by every segment of each industry, however. The requests for clarification include:

- Clarification of Commission orders regarding pipeline discounts and negotiated rates as relevant to the ability of shippers releasing capacity to price released capacity using gas price indices.
- Clarification of Commission orders regarding the ability of pipelines to shift gas with primary firm transportation within a pipeline path without having to re-offer as secondary firm transportation service.

Potential areas for standards development include:

- Adding an additional gas 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.
- Modifying the requirements for organized electric markets so that the markets clear in sufficient time to nominate within the existing gas nomination timelines.
- Requiring gas-fired generators that bid into the day-ahead market to have the appropriate gas commercial arrangements to fulfill an accepted bid.
- Developing 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.

II. Discussion

A. Incorporation of Standards by Reference

11. The Commission is proposing to incorporate by reference the NAESB WEQ and NAESB WGQ definitions and business practice standards providing for coordination and communication between natural gas pipelines and the various electric industry operators, including RTOs, ISOs and gas-fired power generators. Such coordination should help improve the reliability of both the gas and electric industries by ensuring that all parties have information relevant to their scheduling and dispatch.

Docket Nos. RM96-1-027 and RM05-5-001

- 7 -

12. The standards, for example, would require gas-fired power plant operators and pipelines to establish procedures to communicate material changes in circumstances that may affect hourly flow rates. These standards would ensure that pipelines have relevant planning information that will assist in maintaining the operational integrity and reliability of pipeline service, as well as providing gas-fired power plant operators with information as to whether hourly flow deviations can be honored. They would further improve communication by requiring pipelines to provide electric transmission operators, including ISOs and RTOs, and power plant operators to sign up to receive from connecting pipelines operational flow orders and other critical notices. These standards will ensure that operators of the electric grid can stay abreast of developments on gas pipelines that can affect the reliability of electric service. The standards require that, upon request, a gas-fired power plant operator must provide to the appropriate electric balancing authority or electric reliability coordinator pertinent information regarding its service levels for gas transportation (firm or interruptible) and for gas supply (firm, fixed or variable quantity, or interruptible). This information should assist reliability coordinators in assessing the relative reliability of various gas-fired generators.⁴

⁴ Adoption of these standards is in accordance with § 12(d) of the National Technology Transfer and Advancement Act of 1995, in which Congress requires federal agencies to use technical standards developed by voluntary consensus standards organizations, like the WGQ, as a means to carry out policy objectives or activities. Pub L. No. 104 113, §12(d), 110 Stat. 775 (1996), 15 U.S.C. § 272 note (1997).

Docket Nos. RM96-1-027 and RM05-5-001

- 8 -

13. To incorporate these standards by reference, the Commission is proposing to amend parts 38 and 284 of its regulations to include the appropriate standards.⁵ The Commission is also proposing to amend section 38.1 so that it applies to gas-fired power plant owners and operators and to public utilities that own, operate or control facilities used to effectuate wholesale power sales.

14. The Commission is not proposing that pipelines and public utilities make tariff filings to include these standards in their tariffs in this rulemaking. These standards would be included in later standard versions when NAESB updates its wholesale gas and electric standards and, if the Commission decides to incorporate these later standard versions into its regulations, pipelines and public utilities will then be required to include these standards in their tariffs.

15. Four of the standards require pipelines, RTOs/ISOs and/or gas-fired power plant operators to establish procedures to communicate information with each other.⁶ For instance, standard WEQ-011-1.2 requires pipelines and gas-fired power plant operators to establish procedures to communicate hourly gas-flow information. With respect to these standards, we propose to require each pipeline and relevant public utility to demonstrate

⁵ The standards for the Wholesale Electric Quadrant are: Gas/Electric Coordination Standards WEQ-011-0.1 through WEQ-011-0.3 and WEQ-011-1.1 through WEQ-011-1.6. The standards for the Wholesale Gas Quadrant are: Additional Standards, Definitions 0.2.1 through 0.2.3 and Standards 0.3.11 through 0.3.15.

⁶These standards are WEQ-011-1.2 and WGQ Standard 0.3.12; WEQ-011-1.4; WEQ-011-1.5; and WEQ-011-1.6 and WGQ Standard 0.3.15.

Docket Nos. RM96-1-027 and RM05-5-001

- 9 -

compliance by filing a statement as to whether it has established the required procedures with each relevant entity on its system or taken appropriate action, as required by the standards. While the Commission expects that the parties would be able to negotiate acceptable provisions, if an intractable dispute should arise, the parties can submit the dispute to the Commission for resolution. This is similar to what the Commission has required in previous rulemaking proceedings.⁷

B. Additional Issues Raised by NAESB

16. NAESB identified six issues for which it requests clarification of existing Commission policy or puts forward potential areas for standards development that some industry participants believe might assist in resolving coordination problems between the gas and electric industries. These revisions and enhancements, however, did not command a consensus of the industries sufficient to pass as NAESB standards. We discuss below the two requests for clarification. We then discuss the issues for which NAESB requested guidance needs for to NAESB to deliberate on potential new standards.

⁷ See Standards for Business Practices of Interstate Natural Gas Pipelines, 85 FERC ¶ 61,371 (1998). In a similar situation (a requirement that pipelines enter into operation balancing agreements (OBAs) with interconnecting pipelines), rather than requiring pipelines to file their OBAs, the Commission required the pipelines to file a statement with the Commission certifying that they have complied with the requirement to enter into OBAs.

1. Clarifications Regarding Gas Standards

a. Use of Gas Indices for Pricing Capacity Release Transactions

17. NAESB has requested clarification of Commission policy with respect to capacity release transactions using gas price indices. Some in NAESB expressed concern that the current NAESB standards on capacity release are more restrictive on pricing beneath the maximum tariff rate than current Commission policy requires. They suggest that revision of these standards would be more consistent with Commission policy and would create an economic incentive for releasing shippers to provide more short-term capacity to the gas-fired generation market. This is because, with the prospect of a higher release value, releasing shippers can explore replacement capacity alternatives that otherwise would not be cost-effective. In this regard, NAESB requests clarification of the Commission's February 27, 2004 Order in Panhandle⁸ regarding the ability of releasing shippers to employ gas prices indices in pricing capacity release transactions.

18. The Commission clarifies that, as it stated in Panhandle, releasing shippers should be free to offer the same type of pricing arrangements that the pipeline offers and, therefore, releasing shippers are free to use gas price indices in pricing released capacity so long as the rate paid by the replacement shipper does not exceed the maximum rate in the pipeline's tariff. As the Commission stated in Northern, "rate formulas that produce varying rates during the term of an agreement are permissible as discounted rates, so long

⁸ Panhandle Eastern Pipe Line Co., 106 FERC ¶ 61,194 at P 6 (2004).

Docket Nos. RM96-1-027 and RM05-5-001

- 11 -

as the rate remains within the range established by the maximum and minimum rates set forth in the pipeline's tariff.”⁹

b. Pipelines’ Ability to Permit Shippers to Choose Alternate Delivery Points

19. NAESB requests clarification regarding the ability of pipelines to permit shippers to shift gas deliveries from a primary to a secondary delivery point when a pipeline constraint occurs upstream of both points. Such changes would make it easier for shippers to redirect gas supplies to generators during periods when capacity is scarce. NAESB provides, as an example, that a 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.

20. In Order No. 637-B, the Commission provided that pipelines must implement within-the-path scheduling under which a shipper seeking to use a secondary delivery point within its scheduling path has priority over another shipper seeking to use the same delivery point but that point is outside of its transportation path.¹⁰ The Commission posited an example in which Shipper 1 (with a primary delivery point at A) and Shipper 2

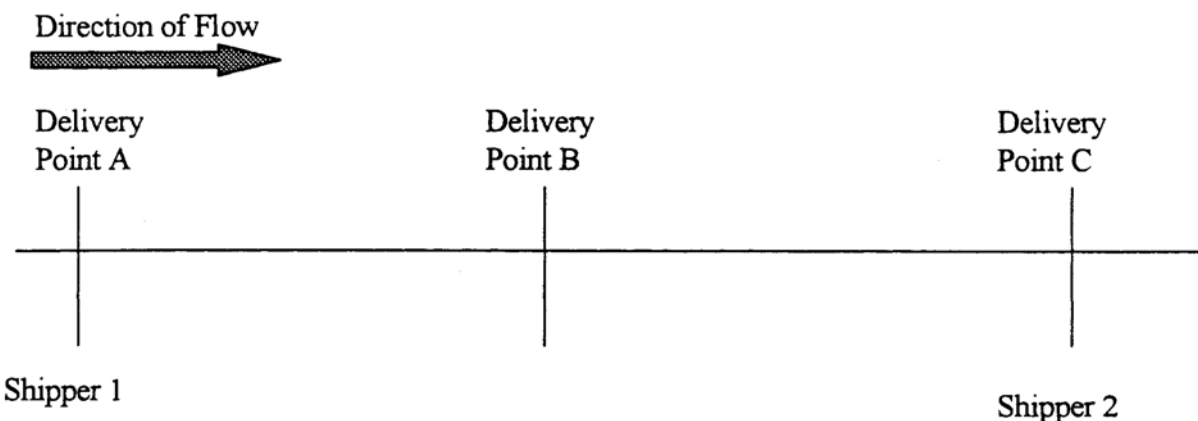
⁹ Northern Natural Gas Co., 105 FERC ¶ 61,299 at P 17 (2003).

¹⁰ Regulation of Short-Term Natural Gas Transportation Services, 92 FERC ¶ 61,062 at 61,168-70 (2000).

Docket Nos. RM96-1-027 and RM05-5-001

- 12 -

(with a primary delivery point downstream at C) pay the same rate in the zone, and both shippers are seeking to change delivery points to point B. The Commission found that Shipper 2 should receive a higher priority over mainline capacity to point B than Shipper 1, because point B is within Shipper 2's path.



21. The scenario posed by NAESB is a slight variation of the within-the-path scheduling as described in Order No. 637-B. Although the shipper has scheduled capacity through a posted point of constraint, the secondary delivery point it seeks to use is outside of its transportation path. In most cases, it would be reasonable to permit the reassignment as posited by NAESB, since the shipper seeking to redesignate delivery points already has a transportation contract with primary points through the posted constraint point and has scheduled gas through that point so that reallocating gas to a different delivery point would not pose an operational problem. The only possible caveat would be if the shipper (Shipper 1) seeks to redesignate a secondary delivery point (outside its path) that is also being requested by another shipper, and the delivery point is within the path of the Shipper 2. If both secondary nominations to that point cannot be

Docket Nos. RM96-1-027 and RM05-5-001

- 13 -

accepted, as in the case of the example above, Shipper 2, with a contract path through the secondary point, would have priority.

c. Changes to the Intraday Nomination Gas Schedule

22. NAESB suggests a review of 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.

23. Any standards that would allow better coordination between scheduling of gas and electric markets would be of benefit to both industries, and we encourage NAESB to continue its efforts to develop such standards. With respect to intra-day nominations, the Commission's regulations provide that firm transportation capacity must be accorded scheduling priority over interruptible transportation capacity.¹¹ At the same time, however, the Commission has recognized the interest of interruptible shippers in achieving business certainty by making the last intra-day nomination opportunity one in which firm nominations do not bump interruptible nominations:

making the third intra-day nomination non-bumping creates a fair balance between firm shippers, who will have had two opportunities to reschedule their gas, and interruptible shippers and will provide some necessary stability in the nomination system, so that shippers

¹¹ 18 CFR 284.12(b)(1)(i)(A)(2006).

can be confident by mid-afternoon that they will receive their scheduled flows.”¹²

However, within the confines of these policies, NAESB may consider whether changes to existing intra-day schedules can better provide for coordination between gas and electric scheduling. For instance, the current NAESB standards require intra-day nominations to be submitted by 10 a.m. (bumping) and 5 p.m. (non-bumping). There is no reason why another bumping intra-day nomination opportunity could not be introduced between these two or that the timing of these intra-day nomination opportunities could not be adjusted to better coordinate with electric scheduling.

2. Clarifications Regarding Electric Standards

a. Standards Relating to RTO/ISO Scheduling

24. NAESB has considered, but has been unable to agree upon, modifications to the routine scheduling of ISO and RTO markets (not in an emergency) so that the markets clear in sufficient time to nominate within the existing gas nomination timelines. It also considered whether standards should be developed to require generators that offer into the day-ahead market to have the appropriate gas commercial arrangements to fulfill the needed obligations. As NAESB states, the disconnect between gas and electric schedules leaves some generators two options: either a) purchase and nominate gas transportation on a timely basis and risk not having their bid subsequently clear the power market or, b)

¹² Standards for Business Practices of Interstate Natural Gas Pipelines, Order No. 587-G, 63 FR 20072 (Apr. 23, 1998), FERC Stats. & Regs. Regulations Preambles ¶ 31,062 at 30,672 (Apr. 16, 1998).

Docket Nos. RM96-1-027 and RM05-5-001

- 15 -

wait to see if their bid clears the power market and risk relying upon the intraday gas transportation nominations.

25. The Commission agrees that these are serious issues, particularly during periods of coincident peak use in the electric and gas industries. RTOs and ISOs frequently consider gas-fired generation to be necessary to maintain reliability. Yet, especially during periods when both electricity and gas are in short supply, gas-fired generators may have difficulty buying gas and transportation, because the RTOs' and ISOs' scheduling process does not match the gas process. Moreover, if the gas-fired generator does submit bids into the RTO/ISO market based on current gas prices, those prices may change significantly during periods with volatile gas prices by the time the RTO or ISO calls upon the generator to run.¹³

26. Because of the serious repercussions on the electric market of these problems, the Commission is concurrently opening section 206 proceedings to examine the RTO and ISO scheduling processes during emergency conditions. These proceedings are intended to ensure that the RTOs and ISOs have procedures in place during emergencies to permit better synchronization of their markets with the gas market and to ensure that generators making appropriate bids into the RTO and ISO markets are able to recover their prudently incurred costs.

¹³ If the gas-fired generator seeks to hedge its gas prices, and is not dispatched, it may be unable to recover its gas costs.

Docket Nos. RM96-1-027 and RM05-5-001

- 16 -

27. The NAESB report raised the issue of whether to develop standards regarding the appropriate commercial relationships that generators must have in bidding into day ahead markets, so that they have the appropriate gas commercial arrangements to fulfill the needed obligations. Some of the objections to such an effort, NAESB notes, are that it would interfere with company's risk management strategies, and that reliability issues should be addressed by NERC. We agree that business practice standards requiring, for instance, that gas-fired generators have firm gas supply or gas transportation contracts would go beyond the scope of business practices. Instead of mandating commercial relationships, the section 206 proceedings will focus on ensuring that generators in organized markets can synchronize their gas and electric scheduling and can receive appropriate compensation for prudently incurred costs if gas prices deviate significantly from those that could have been expected at the time they submitted their bid.

b. Other Electric Standards Issues

28. NAESB also suggests that supporting definitions for new business practices could be developed for the electric industry, 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 report is not clear as to what affect such definitions would have on the operation of the electric grid, or what business practices would be affected. Consequently, we will not at this time provide guidance on whether such definitions should be developed.

III. Notice of Use of Voluntary Consensus Standards

29. In section 12(d) of the National Technology Transfer and Advancement Act of 1995, Congress affirmatively requires federal agencies to use technical standards developed by voluntary consensus standards organizations, like NAESB, as the means to carry out policy objectives or activities unless use of such standards would be inconsistent with applicable law or otherwise impractical.¹⁴ NAESB approved the standards under its consensus procedures. Office of Management and Budget Circular A-119 (§ 11) (February 10, 1998) provides that federal agencies should publish a request for comment in a NOPR when the agency is seeking to issue or revise a regulation proposing to adopt a voluntary consensus standard or a government-unique standard. In this NOPR, the Commission is proposing to incorporate by reference voluntary consensus standards developed by the WGQ and WEQ.

IV. Information Collection Statement

30. The following collections of information contained in this proposed rule have been submitted to the Office of Management and Budget (OMB) for review under section 3507(d) of the Paperwork Reduction Act of 1995, 44 U.S.C. 3507(d). The Commission solicits comments on the Commission's need for this information, whether the information will have practical utility, the accuracy of the provided burden estimates, ways to enhance the quality, utility, and clarity of the information to be collected, and any

¹⁴ Pub L. No. 104-113, §12(d), 110 Stat. 775 (1996), 15 U.S.C. §272 note (1997).

Docket Nos. RM96-1-027 and RM05-5-001

- 18 -

suggested methods for minimizing respondents' burden, including the use of automated information techniques. The following burden estimates include the costs to implement the WEQ's and WGQ's definitions and business practice standards providing for coordination and which will establish communication protocols between interstate natural gas pipelines and power plant operators and transmission owners and the various electric industry operators. The burden estimates are primarily related to start-up to implement these standards and regulations and will not result in ongoing costs.

Data Collection	No. of Respondents	No. of Responses Per Respondent	Hours Per Response	Total No. of Hours
FERC-549C	93	1	20	1,860
FERC-717	220	1	33	7,260
Totals				9,120

Total Annual Hours for Collection

(Reporting and Recordkeeping, (if appropriate)) = 9,120

Information Collection Costs: The Commission seeks comments on the costs to comply with these requirements. It has projected the average annualized cost for all respondents to be the following:¹⁵

¹⁵ The total annualized cost for the two information collections is \$ 1,368,000. This number is reached by multiplying the total hours to prepare a response (hours) by an hourly wage estimate of \$150 (a composite estimate that includes legal, technical and support staff rates). \$1,368,000= \$150 x 9,120.

Docket Nos. RM96-1-027 and RM05-5-001

- 19 -

	FERC-549C	FERC-717
Annualized Capital/Startup Costs	\$279,000	\$1,089,000
Annualized Costs (Operations & Maintenance)	N/A	N/A
Total Annualized Costs	\$279,000	\$ 1,089,000

31. OMB regulations¹⁶ require OMB to approve certain information collection requirements imposed by agency rule. The Commission is submitting notification of this proposed rule to OMB. These information collections are mandatory requirements.

Title: Standards for Business Practices of Interstate Natural Gas Pipelines (FERC-549C)
Standards for Business Practices and Communication Protocols for Public Utilities (FERC-717) (*formerly* Open Access Same Time Information System)

Action: Proposed collections

OMB Control No.: 1902-0174 and 1902-0173

Respondents: Business or other for profit, (Public Utilities and Natural Gas Pipelines (Not applicable to small business.))

Frequency of Responses: One-time implementation (business procedures, capital/start-up)

32. Necessity of Information: This proposed rule, if implemented, would upgrade the Commission's current business practice and communication standards to include standardized communication protocols between interstate pipelines and power plant operators and transmission owners and operators. The implementation of these standards

¹⁶ 5 CFR 1320.11.

Docket Nos. RM96-1-027 and RM05-5-001

- 20 -

and regulations is necessary to improve coordination between the gas and electric industries, to limit miscommunications about scheduling of gas-fired generators and to improve the reliability in both industries.

33. The implementation of these data requirements will help the Commission carry out its responsibilities under the Federal Power Act and Natural Gas Act of promoting the efficiency and reliability of the electric and gas industries' operations. The Commission's Office of Energy Markets and Reliability will use the data for general industry oversight.

34. Internal Review: The Commission has reviewed the requirements pertaining to business practices and electronic communication of public utilities and natural gas pipelines and made a preliminary determination that the proposed revisions are necessary to establish more efficient coordination between the gas and electric industries.

Requiring such information ensures both a common means of communication and common business practices to limit miscommunication for participants engaged in the sale of electric energy at wholesale and the transportation of natural gas. These requirements conform to the Commission's plan for efficient information collection, communication, and management within the electric power and natural gas pipeline industries. The Commission has assured itself, by means of its internal review, that there is specific, objective support for the burden estimates associated with the information requirements.

35. Interested persons may obtain information on the reporting requirements by contacting the following:

Docket Nos. RM96-1-027 and RM05-5-001

- 21 -

Federal Energy Regulatory Commission, Attn: Michael Miller, Office of the Executive Director, 888 First Street, N.E., Washington, DC 20426 Tel: (202) 502-8415 / Fax: (202) 273-0873, Email: michael.miller@ferc.gov.

36. Comments concerning the collection of information(s) and the associated burden estimate(s), should be sent to the contact listed above and to the Office of Management and Budget, Office of Information and Regulatory Affairs, Washington, DC 20503 [Attention: Desk Officer for the Federal Energy Regulatory Commission, phone: (202) 395-7856, fax: (202) 395-7285].

V. Environmental Analysis

37. The Commission is required to prepare an Environmental Assessment or an Environmental Impact Statement for any action that may have a significant adverse effect on the human environment.¹⁷ The Commission has categorically excluded certain actions from these requirements as not having a significant effect on the human environment.¹⁸ The actions proposed here fall within categorical exclusions in the Commission's regulations for rules that are clarifying, corrective, or procedural, for information gathering, analysis, and dissemination, and for sales, exchange, and transportation of

¹⁷Regulations Implementing the National Environmental Policy Act, Order No. 486, 52 FR 47897 (Dec. 17, 1987), FERC Stats. & Regs. Preambles 1986-1990 ¶ 30,783 (1987).

¹⁸18 CFR 380.4(2005).

Docket Nos. RM96-1-027 and RM05-5-001

- 22 -

natural gas and electric power that requires no construction of facilities.¹⁹ Therefore, an environmental assessment is unnecessary and has not been prepared in this NOPR.

VI. Regulatory Flexibility Act Certification

38. The Regulatory Flexibility Act of 1980 (RFA)²⁰ generally requires a description and analysis of final rules that will have significant economic impact on a substantial number of small entities. The regulations proposed here impose requirements only on interstate pipelines and public utilities, the majority of which are not small businesses, and would not have a significant economic impact. These requirements are, in fact, designed to benefit all customers, including small businesses. Accordingly, pursuant to section 605(b) of the RFA, the Commission hereby certifies that the regulations proposed herein will not have a significant adverse impact on a substantial number of small entities.

VII. Comment Procedures

39. The Commission invites interested persons to submit comments on the matters and issues proposed in this notice to be adopted, including any related matters or alternative proposals that commenters may wish to discuss. Comments are due **[45 days from publication in the FEDERAL REGISTER]**. Comments must refer to Docket Nos. RM05-28-000, RM96-1-027, and RM05-5-001 and must include the commenter's name,

¹⁹See 18 CFR 380.4(a)(2)(ii), 380.4(a)(5), 380.4(a)(27)(2005).

²⁰ 5 U.S.C. 601-612(2006).

Docket Nos. RM96-1-027 and RM05-5-001

- 23 -

the organization they represent, if applicable, and their address in their comments.

Comments may be filed either in electronic or paper format.

40. Comments may be filed electronically via the eFiling link on the Commission's web site at <http://www.ferc.gov>. The Commission accepts most standard word processing formats and commenters may attach additional files with supporting information in certain other file formats. Commenters filing electronically do not need to make a paper filing. Commenters that are not able to file comments electronically must send an original and 14 copies of their comments to: Federal Energy Regulatory Commission, Office of the Secretary, 888 First Street, N.E., Washington, DC, 20426.

41. All comments will be placed in the Commission's public files and may be viewed, printed, or downloaded remotely as described in the Document Availability section below. Commenters on this proposal are not required to serve copies of their comments on other commenters.

VIII. Document Availability

42. In addition to publishing the full text of this document in the Federal Register, the Commission provides all interested persons an opportunity to view and/or print the contents of this document via the Internet through FERC's Home Page (<http://www.ferc.gov>) and in FERC's Public Reference Room during normal business hours (8:30 a.m. to 5:00 p.m. Eastern time) at 888 First Street, N.E., Room 2A, Washington D.C. 20426.

Docket Nos. RM96-1-027 and RM05-5-001

- 24 -

43. From FERC's Home Page on the Internet, this information is available in eLibrary.

The full text of this document is available in eLibrary both in PDF and Microsoft Word format for viewing, printing, and/or downloading. To access this document in eLibrary, type the docket number excluding the last three digits of this document in the docket number field.

44. User assistance is available for eLibrary and the FERC's website during our normal business hours. For assistance contact FERC Online Support at

FERCOnlineSupport@ferc.gov or toll-free at (866) 208-3676, or for TTY, contact (202) 502-8659.

List of subjects

18 CFR Part 284

Incorporation by reference, Natural gas, Reporting and recordkeeping requirements.

18 CFR Part 38

Conflict of interests, Electric power plants, Electric utilities, Incorporation by reference, Reporting and recordkeeping requirements

By direction of the Commission.

Magalie R. Salas,
Secretary.

In consideration of the foregoing, the Commission proposes to amend parts 38 and 284, Chapter I, Title 18, Code of Federal Regulations, as follows:

**PART 38 – BUSINESS PRACTICE STANDARDS AND COMMUNICATION
PROTOCOLS FOR PUBLIC UTILITIES**

1. The authority citation for part 38 continues to read as follows:

Authority: 16 U.S.C. 791-825r, 2601-2645; 31 U.S.C. 9701; 42 U.S.C. 7101-7352.

2. Section 38.1 is revised to read as follows:

§ 38.1 Applicability.

This part applies to any public utility that owns, operates, or controls facilities used for the transmission of electric energy in interstate commerce or for the sale of electric energy at wholesale in interstate commerce and to any non-public utility that seeks voluntary compliance with jurisdictional transmission tariff reciprocity conditions.

3. Section 38.2 is amended by adding new paragraph (a)(8) to read as follows:

§ 38.2 Incorporation by reference of North American Energy Standards Board

Wholesale Electric Quadrant standards.

(a) * * *

(8) Gas/Electric Coordination Standards including the WEQ standards contained in Final Action R04021 (August 15, 2005).

* * * * *

Docket Nos. RM96-1-027 and RM05-5-001

- 26 -

**PART 284 -- CERTAIN SALES AND TRANSPORTATION OF NATURAL GAS
UNDER THE NATURAL GAS POLICY ACT OF 1978 AND RELATED
AUTHORITIES**

4. The authority citation for part 284 continues to read as follows:

Authority: 15 U.S.C. 717-717w, 3301-3432; 42 U.S.C. 7101-7352; 43 U.S.C.
1331-1356.

5. In section 284.12, paragraph (a)(1)(i) is revised to read as follows:

§ 284.12 Standards for pipeline business operations and communications.

(a) * * *

(1) * * *

(i) Additional Standards (General Standards and Creditworthiness Standards)

(Version 1.7, December 31, 2003) and the WGQ standards contained in Final Action
R04021 (August 15, 2005).

* * * * *



NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 08/15/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

1. RECOMMENDED ACTION:

- Accept as requested
- Accept as modified below
- Decline

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

- Change to Existing Practice
- Status Quo

2. TYPE OF MAINTENANCE

Per Request:

- Initiation
- Modification
- Interpretation
- Withdrawal

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

Per Recommendation:

- Initiation
- Modification
- Interpretation
- Withdrawal

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

3. RECOMMENDATION

SUMMARY:

Add the following NAESB WEQ and NAESB WGQ Definitions:
 (WEQ) 011.0.1, 011.0.2, 011.0.3 (WGQ) 0.2.1, 0.2.2, 0.2.3

Add the following NAESB WEQ and NAESB WGQ Standards:
 (WEQ) 011.1.1, 011.1.2, 011.1.3, 011.1.6 (WGQ) 0.3.11, 0.3.12, 0.3.13, 0.3.15

Add the following NAESB WEQ Standards:
 011.1.4, 011.1.5

Add the following NAESB WGQ Standard:
 0.3.14



NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 08/15/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

STANDARDS LANGUAGE:

Proposed NAESB WEQ and WGQ Definition:

0.2.1 Power Plant Operator (PPO) is the term used to describe the entity(ies) that has responsibility for gas requirements for a natural gas-fired electric generating facility(ies) and is responsible for coordinating natural gas deliveries with the appropriate Transportation Service Provider(s) (TSP) to meet those requirements. The PPO performs a number of coordinated activities, including, but not limited to, power plant operations, unit dispatch, natural gas procurement and/or gas transportation arrangements. Because each PPO is structured differently, specific responsibilities within each PPO should be determined by the PPO and the point of contact for the PPO should be communicated to the TSP(s). This definition applies to NAESB WEQ Standard Nos. [011.0.2, 011.1.1, 011.1.2, 011.1.4, and 011.1.6] and NAESB WGQ Standard Nos. [0.2.2, 0.3.11, 0.3.12, 0.3.13, 0.3.14, and 0.3.15].

Proposed NAESB WEQ and WGQ Definition:

0.2.2 A Power Plant Operator's Facility is the term used to describe the natural gas-fired electric generating unit(s) under the direct control of the Power Plant Operator. This definition applies to NAESB WEQ Standard Nos. [011.1.2 and 011.1.3] and NAESB WGQ Standard Nos. [0.3.12 and 0.3.13].

Proposed NAESB WEQ and WGQ Definition:

0.2.3 Balancing Authority (BA) is the term used by the Wholesale Electric Quadrant to describe the entity responsible for integrating electric resource plans ahead of time, for maintaining electric load-interchange-generation balance within its metered boundaries, and for supporting electric interconnection frequency in real time. In certain circumstances, a BA may be a Regional Transmission Organization or Independent System Operator. This definition applies to NAESB WEQ Standard Nos. [011.1.5 and 011.1.6] and NAESB WGQ Standard No. [0.3.15].

Proposed NAESB WEQ and WGQ Standard:

0.3.11 The Transportation Service Provider (TSP) / Power Plant Operator (PPO) communication standards set forth in NAESB WEQ Standard Nos. [011.0.1, 011.0.2, 011.0.3, 011.1.1, 011.1.2, 011.1.3, 011.1.4, 011.1.5, and 011.1.6] and NAESB WGQ Standard Nos. [0.2.1, 0.2.2, 0.2.3, 0.3.11, 0.3.12, 0.3.13, 0.3.14, and 0.3.15] do not convey any rights or services beyond or in addition to those contained in the TSP's tariff and/or general terms and conditions and/or do not impose any obligations that would otherwise be inconsistent with the requirements of applicable regulatory authorities, including affiliate code of conduct requirements. These communication standards should be used in addition to the NAESB WGQ standard nomination timeline and scheduling processes for the TSP's contract / tariff services. In the event of a conflict between any of these communication standards and the TSP's tariff or general terms and conditions, the latter will prevail.



NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 08/15/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

Proposed NAESB WEQ and WGQ Standard:

0.3.12 The Power Plant Operator (PPO) and the Transportation Service Provider(s) (TSP) that is directly connected to the PPO's Facility(ies) should establish procedures to communicate material changes in circumstances that may impact hourly flow rates. The PPO should provide projected hourly flow rates as established in the TSP's and PPO's communication procedures.

Proposed NAESB WEQ and WGQ Standard:

0.3.13 Subject to the conditions of NAESB WEQ Standard No. [011.1.1] and NAESB WGQ Standard No. [0.3.11], this standard applies to a Power Plant Operator (PPO) and the Transportation Service Provider (TSP) to whose system the PPO facility(ies) is directly connected or with whom the PPO is a Service Requester.

A PPO should not operate without an approved scheduled quantity pursuant to the NAESB WGQ standard nomination timeline and scheduling processes or as permitted by the TSP's tariff and/or general terms and conditions, and/or contract provisions. However, if the PPO reasonably determines that it has circumstances requiring the need to request gas scheduling changes outside of the above-referenced nomination and scheduling processes and the affected TSP(s) supports the processing of such changes, the PPO should provide its requested daily and hourly flow rates to the TSP(s) (1) as established in the TSP's and PPO's communication procedures pursuant to NAESB WEQ Standard No. [011.1.2] and NAESB WGQ Standard No. [0.3.12] and/or (2) as specified in the TSP's(s') tariff or general terms and conditions.

Based upon whether or not the PPO's request can be accommodated in accordance with the appropriate application of the affected TSP's(s') tariff requirements, contract provisions, business practices, or other similar provisions, and without adversely impacting other scheduled services, anticipated flows, no-notice services, firm contract requirements and/or general system operations, the PPO and all of the affected TSPs should work together to resolve the PPO's request.

Where the affected TSP determines that it is feasible to provide the PPO with changes in flow rates without additional communications, no additional communications are required. These procedures will govern such communications unless the applicable parties mutually agree to create alternative communication procedures.

Proposed NAESB WEQ Standard:

011.1.4 The Regional Transmission Organizations, Independent System Operators, independent transmission operators, and/or Power Plant Operators should sign up to receive operational flow orders and other critical notices from the appropriate gas Transportation Service Provider(s), pursuant to NAESB WGQ Standard Nos. 5.2.2, 5.3.35, and 5.3.37, unless the party(ies) needing the information has arranged to receive it through an alternative communication process(es).

Proposed NAESB WGQ Standard:

0.3.14 A Transportation Service Provider should provide Regional Transmission Organizations (RTO), Independent System Operators (ISO), any other appropriate independent transmission operators (ITO), and Power Plant Operators (PPO) with notification of operational flow orders and other critical notices through the RTO / ISO / ITO / PPO's choice of Electronic Notice Delivery mechanism(s) as set forth in NAESB WGQ Standard Nos. 5.2.1, 5.2.2, and 5.3.35 – 5.3.38.



NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 08/15/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

Proposed NAESB WEQ Standard:

011.1.5 Unless otherwise prohibited by agreement, tariff, or protocol rules, a Power Plant Operator should, upon request, provide pertinent information concerning the service level (i.e., firm or interruptible) of its procured gas transportation and the performance obligation (i.e., firm (fixed or variable quantity) or interruptible) of its procured gas supply to the appropriate independent Balancing Authority and/or Reliability Coordinator.

Proposed NAESB WEQ and WGQ Standard:

0.3.15 Regional Transmission Organizations, Independent System Operators, other independent transmission operators, independent Balancing Authorities and/or Regional Reliability Coordinators should establish written operational communication procedures with the appropriate gas Transportation Service Provider(s) and/or Power Plant Operator(s). These procedures should be implemented when an extreme condition could occur, as defined in such procedures.

These procedures will govern unless the applicable parties in the gas and electric industry mutually agree to create alternative written communication procedures that are more appropriate and meet the parties' collective regional operational needs.

Training on and testing of such communication procedures should occur periodically.

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Develop standards for the daily operational communications between pipelines and power plants. These communications standards would include anticipated power generation fuel requirements for the upcoming day as well as notification anytime plans change. Likewise standards for pipeline communications for any operating problems that might hinder power plants from receiving required contractual quantities when needed would be developed.

These standards would be used for operational communications between power plants and pipelines.

b. Description of Recommendation:

Triage Subcommittee

See the Triage Subcommittee results for the supporting documentation, discussion, and voting records for the following date:

08/31/2004

Executive Committee

See the Executive Committee final minutes and transcript for the supporting documentation, discussion, and voting records for the following date:

08/31/2004



NAESB WGQ FINAL ACTION VERSION 1.8 RATIFIED 08/15/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

Business Practices Subcommittee

See the Business Practices Subcommittee (BPS) meeting minutes and attachments for the supporting documentation, discussion, and voting records for the following dates:

- 12/01-02/2004
- 01/24-25/2005

Executive Committee

See the Executive Committee final minutes and transcript for the supporting documentation, discussion, and voting records for the following date:

- 02/08/2005

Business Practices Subcommittee

See the Business Practices Subcommittee (BPS) meeting minutes and attachments for the supporting documentation, discussion, and voting records for the following dates:

- 02/09-10/2005
- 03/01-02/2005
- 03/21-22/2005
- 04/06-07/2005
- 04/18-19/2005
- 04/25-26/2005

Executive Committee

See the Executive Committee final minutes and transcript for the supporting documentation, discussion, and voting records for the following date:

- 05/26/2005
- 05/31/2005

c. Business Purpose:

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



NAESB WEQ FINAL ACTION RATIFIED 07/08/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

1. RECOMMENDED ACTION:

- Accept as requested
- Accept as modified below
- Decline

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

- Change to Existing Practice
- Status Quo

2. TYPE OF MAINTENANCE

Per Request:

- Initiation
- Modification
- Interpretation
- Withdrawal

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

Per Recommendation:

- Initiation
- Modification
- Interpretation
- Withdrawal

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

3. RECOMMENDATION

SUMMARY:

Add the following NAESB WEQ and NAESB WGQ Definitions:
 (WEQ) 011.0.1, 011.0.2, 011.0.3 (WGQ) 0.2.1, 0.2.2, 0.2.3
 Add the following NAESB WEQ and NAESB WGQ Standards:
 (WEQ) 011.1.1, 011.1.2, 011.1.3, 011.1.6 (WGQ) 0.3.11, 0.3.12, 0.3.13, 0.3.15
 Add the following NAESB WEQ Standards:
 011.1.4, 011.1.5
 Add the following NAESB WGQ Standard:
 0.3.14



NAESB WEQ FINAL ACTION RATIFIED 07/08/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

STANDARDS LANGUAGE:

Proposed NAESB WEQ and WGQ Definition:

011.0.1 Power Plant Operator (PPO) is the term used to describe the entity(ies) that has responsibility for gas requirements for a natural gas-fired electric generating facility(ies) and is responsible for coordinating natural gas deliveries with the appropriate Transportation Service Provider(s) (TSP) to meet those requirements. The PPO performs a number of coordinated activities, including, but not limited to, power plant operations, unit dispatch, natural gas procurement and/or gas transportation arrangements. Because each PPO is structured differently, specific responsibilities within each PPO should be determined by the PPO and the point of contact for the PPO should be communicated to the TSP(s). This definition applies to NAESB WEQ Standard Nos. [011.0.2, 011.1.1, 011.1.2, 011.1.4, and 011.1.6] and NAESB WGQ Standard Nos. [0.2.2, 0.3.11, 0.3.12, 0.3.13, 0.3.14, and 0.3.15].

Proposed NAESB WEQ and WGQ Definition:

011.0.2 A Power Plant Operator's Facility is the term used to describe the natural gas-fired electric generating unit(s) under the direct control of the Power Plant Operator. This definition applies to NAESB WEQ Standard Nos. [011.1.2 and 011.1.3] and NAESB WGQ Standard Nos. [0.3.12 and 0.3.13].

Proposed NAESB WEQ and WGQ Definition:

011.0.3 Balancing Authority (BA) is the term used by the Wholesale Electric Quadrant to describe the entity responsible for integrating electric resource plans ahead of time, for maintaining electric load-interchange-generation balance within its metered boundaries, and for supporting electric interconnection frequency in real time. In certain circumstances, a BA may be a Regional Transmission Organization or Independent System Operator. This definition applies to NAESB WEQ Standard Nos. [011.1.5 and 011.1.6] and NAESB WGQ Standard No. [0.3.15].

Proposed NAESB WEQ and WGQ Standard:

011.1.1 The Transportation Service Provider (TSP) / Power Plant Operator (PPO) communication standards set forth in NAESB WEQ Standard Nos. [011.0.1, 011.0.2, 011.0.3, 011.1.1, 011.1.2, 011.1.3, 011.1.4, 011.1.5, and 011.1.6] and NAESB WGQ Standard Nos. [0.2.1, 0.2.2, 0.2.3, 0.3.11, 0.3.12, 0.3.13, 0.3.14, and 0.3.15] do not convey any rights or services beyond or in addition to those contained in the TSP's tariff and/or general terms and conditions and/or do not impose any obligations that would otherwise be inconsistent with the requirements of applicable regulatory authorities, including affiliate code of conduct requirements. These communication standards should be used in addition to the NAESB WGQ standard nomination timeline and scheduling processes for the TSP's contract / tariff services. In the event of a conflict between any of these communication standards and the TSP's tariff or general terms and conditions, the latter will prevail.

Proposed NAESB WEQ and WGQ Standard:

011.1.2 The Power Plant Operator (PPO) and the Transportation Service Provider(s) (TSP) that is directly connected to the PPO's Facility(ies) should establish procedures to communicate material



NAESB WEQ FINAL ACTION RATIFIED 07/08/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

changes in circumstances that may impact hourly flow rates. The PPO should provide projected hourly flow rates as established in the TSP's and PPO's communication procedures.

Proposed NAESB WEQ and WGQ Standard:

011.1.3 Subject to the conditions of NAESB WEQ Standard No. [011.1.1] and NAESB WGQ Standard No. [0.3.11], this standard applies to a Power Plant Operator (PPO) and the Transportation Service Provider (TSP) to whose system the PPO facility(ies) is directly connected or with whom the PPO is a Service Requester.

A PPO should not operate without an approved scheduled quantity pursuant to the NAESB WGQ standard nomination timeline and scheduling processes or as permitted by the TSP's tariff and/or general terms and conditions, and/or contract provisions. However, if the PPO reasonably determines that it has circumstances requiring the need to request gas scheduling changes outside of the above-referenced nomination and scheduling processes and the affected TSP(s) supports the processing of such changes, the PPO should provide its requested daily and hourly flow rates to the TSP(s) (1) as established in the TSP's and PPO's communication procedures pursuant to NAESB WEQ Standard No. [011.1.2] and NAESB WGQ Standard No. [0.3.12] and/or (2) as specified in the TSP's(s') tariff or general terms and conditions.

Based upon whether or not the PPO's request can be accommodated in accordance with the appropriate application of the affected TSP's(s') tariff requirements, contract provisions, business practices, or other similar provisions, and without adversely impacting other scheduled services, anticipated flows, no-notice services, firm contract requirements and/or general system operations, the PPO and all of the affected TSPs should work together to resolve the PPO's request.

Where the affected TSP determines that it is feasible to provide the PPO with changes in flow rates without additional communications, no additional communications are required. These procedures will govern such communications unless the applicable parties mutually agree to create alternative communication procedures.

Proposed NAESB WEQ Standard:

011.1.4 The Regional Transmission Organizations, Independent System Operators, independent transmission operators, and/or Power Plant Operators should sign up to receive operational flow orders and other critical notices from the appropriate gas Transportation Service Provider(s), pursuant to NAESB WGQ Standard Nos. 5.2.2, 5.3.35, and 5.3.37, unless the party(ies) needing the information has arranged to receive it through an alternative communication process(es).

Proposed NAESB WGQ Standard:

0.3.14 A Transportation Service Provider should provide Regional Transmission Organizations (RTO), Independent System Operators (ISO), any other appropriate independent transmission operators (ITO), and Power Plant Operators (PPO) with notification of operational flow orders and other critical notices through the RTO / ISO / ITO / PPO's choice of Electronic Notice Delivery mechanism(s) as set forth in NAESB WGQ Standard Nos. 5.2.1, 5.2.2, and 5.3.35 – 5.3.38.

Proposed NAESB WEQ Standard:

011.1.5 Unless otherwise prohibited by agreement, tariff, or protocol rules, a Power Plant Operator should, upon request, provide pertinent information concerning the service level (i.e., firm or



NAESB WEQ FINAL ACTION RATIFIED 07/08/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

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interruptible) of its procured gas transportation and the performance obligation (i.e., firm (fixed or variable quantity) or interruptible) of its procured gas supply to the appropriate independent Balancing Authority and/or Reliability Coordinator.

Proposed NAESB WEQ and WGQ Standard:

011.1.6 Regional Transmission Organizations, Independent System Operators, other independent transmission operators, independent Balancing Authorities and/or Regional Reliability Coordinators should establish written operational communication procedures with the appropriate gas Transportation Service Provider(s) and/or Power Plant Operator(s). These procedures should be implemented when an extreme condition could occur, as defined in such procedures.

These procedures will govern unless the applicable parties in the gas and electric industry mutually agree to create alternative written communication procedures that are more appropriate and meet the parties' collective regional operational needs.

Training on and testing of such communication procedures should occur periodically.

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Develop standards for the daily operational communications between pipelines and power plants. These communications standards would include anticipated power generation fuel requirements for the upcoming day as well as notification anytime plans change. Likewise standards for pipeline communications for any operating problems that might hinder power plants from receiving required contractual quantities when needed would be developed.

These standards would be used for operational communications between power plants and pipelines.

b. Description of Recommendation:

Triage Subcommittee

See the Triage Subcommittee results for the supporting documentation, discussion, and voting records for the following date:

08/31/2004

Executive Committee

See the Executive Committee final minutes and transcript for the supporting documentation, discussion, and voting records for the following date:

08/31/2004



NAESB WEQ FINAL ACTION RATIFIED 07/08/05

**REVISED BY THE WEQ AND WGQ EXECUTIVE COMMITTEES
MAY 26, 2005 and May 31, 2005**

**R04021 Natural Gas Pipeline Company of America,
CrossCountry Energy, Salt River Project**

Business Practices Subcommittee

See the Business Practices Subcommittee (BPS) meeting minutes and attachments for the supporting documentation, discussion, and voting records for the following dates:

- 12/01-02/2004
- 01/24-25/2005

Executive Committee

See the Executive Committee final minutes and transcript for the supporting documentation, discussion, and voting records for the following date:

- 02/08/2005

Business Practices Subcommittee

See the Business Practices Subcommittee (BPS) meeting minutes and attachments for the supporting documentation, discussion, and voting records for the following dates:

- 02/09-10/2005
- 03/01-02/2005
- 03/21-22/2005
- 04/06-07/2005
- 04/18-19/2005
- 04/25-26/2005

Executive Committee

See the Executive Committee final minutes and transcript for the supporting documentation, discussion, and voting records for the following date:

- 05/26/2005
- 05/31/2005

c. Business Purpose:

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

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 7

BOARD BUSINESS

STANDARDS ACTIVITIES

This section includes:

- Standards Adopted since the March Board Report
- Requests Received in 2007
- Filings with the FERC

The material presented is background information for the discussion of agenda item 5. No voting action is expected of the Board.



North American Energy Standards Board

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NAESB BOARD OF DIRECTORS MEETING MATERIALS
 REQUESTS FOR COMMENT, BALLOTS, STANDARDS REQUESTS AND STANDARDS ADOPTED TO DATE
 JUNE 28, 2007

REQUESTS FOR COMMENT AND BALLOTS

OUT FOR BALLOT, ACTIVE COMMENT PERIOD – BOTH FORMAL AND INFORMAL

- **June 1, 2007—Due July 1, 2007:** Formal comments due on WGQ Annual Plan Item 5 - Develop FAQs for the updated NAESB Base Contract for Sale and Purchase of Natural Gas dated September 5, 2006: http://www.naesb.org/pdf2/wgq_2007_api5_rec.doc
- **June 14, 2007—Due July 14, 2007:** Formal comments due on WEQ Request No. R07002 - Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide: http://www.naesb.org/pdf2/r07002_rec.doc (Recommendation); http://www.naesb.org/pdf2/r07002_rec_attach1.doc (Attachment to Recommendation S&CPs); http://www.naesb.org/pdf2/r07002_rec_attach2.doc (Attachment to Recommendation Data Dictionary); http://www.naesb.org/pdf2/r07002_rec_attach3.doc (Attachment to Recommendation Implementation Guide)
- **June 18, 2007 – Due July 14, 2007:** NAESB WEQ JISWG request for informal comments on specification for implementation of conditional firm service in e-Tagging: http://www.naesb.org/pdf2/weq_jiswg061807reqcom.doc
- **June 22, 2007 – Due July 23, 2007:** NAESB ratification ballot is due for WEQ standards (R04006D) to align resale standards with Order 890, http://www.naesb.org/doc_view2.asp?doc=weq_rat062207ballot.doc.

COMMENT PERIOD AND BALLOTS COMPLETED – BOTH FORMAL AND INFORMAL

- **January 5, 2007:** Informal comments were due on January 5, 2007 for draft language for Item 1D (defining Contract Path). Comments were submitted by [Comments Submitted by V. Ingersoll, Progress Energy](#).
- **January 8, 2007:** Comments were due on WEQ Recommendation R04006C1 on January 8, 2007. One set of comments was submitted by Puget Sound Energy: http://www.naesb.org/pdf2/weq_010807pse.doc
- **February 5, 2007:** Comments were due on Retail Recommendation: 2007 Retail Annual Plan Item 1(a) – Technical Electronic Implementation Standards – Billing & Payments. Comments were submitted by [Energy Services Group](#), [Baltimore Gas and Electric Company](#) and [Duke Energy](#).
- **February 5, 2007:** Comments were due on Retail Recommendation: 2006 Retail Annual Plan Item 2 - Technical Electronic Implementation Standards – Customer Information. Comments were submitted by [Baltimore Gas and Electric Company](#) and [Duke Energy](#).
- **February 5, 2007:** Comments were due on WEQ Recommendation 2007 Annual Plan Item 3(a)(2). No comments were submitted for this recommendation.
- **March 2, 2007:** Comments were due on WEQ Recommendation 2006 Annual Plan Item (3)(b)(1). No comments were submitted for this recommendation. No comments were submitted for this recommendation.
- **March 7, 2007:** Comments were due on Retail Recommendation 2005 Annual Plan Item 3 (http://www.naesb.org/pdf2/weq_mc022007_reqcom.doc). Comments were submitted by the [Pennsylvania PUC](#).
- **March 7, 2007:** Comments were due on Retail Recommendation R05016. No comments were submitted for this recommendation.



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- **March 7, 2007:** Comments were due on WEQ Minor Correction adopted at the WEQ Executive Committee meeting on February 6, 2007. No comments were submitted and the Minor Corrections were applied to the appropriate WEQ Final Actions: Final Action R05001.
- **March 15, 2007:** WEQ Recommendation R04035/R05002 (S&CP) was posted for formal comment on February 12, 2007 with comments due on March 15, 2007: http://www.naesb.org/pdf2/weq_021207_reqcom.doc. No comments were submitted for this recommendation.
- **March 26, 2007:** WEQ Annual Plan Item 2 - Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform): Revision to Final Action R04006D to align the Resales Standards with Order 890 was posted for informal comment on March 19. Comments were submitted by [Bonneville Power Administration](#)
- **April 3, 2007:** WEQ Annual Plan Item 2 - Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform): Revision to Final Action R04006D to align the Resales Standards with Order 890 was posted for informal comment on March 27, http://www.naesb.org/pdf2/weq_ess_its032707reqcom.doc. Comments were submitted by [OATI](#)
- **April 11, 2007:** WGQ Annual Plan Item 6, Canadian Addendum to the September 5, 2006 Base Contract was posted for formal comment on March 12, with comments due on April 11 (http://www.naesb.org/pdf2/wgq_2007_api6_rec.doc). Comments were submitted by [Mewbourne Oil Company](#).
- **April 27, 2007:** 2007 Retail Annual Plan Item 3a(ii) - Customer Drop, http://www.naesb.org/pdf2/2007_retail_api3aaii_rec.doc. No comments were submitted.
- **April 30, 2007:** Recommendation no. 2 regarding 2007 Retail Annual Plan Item 1a - Billing and Payment (Additional MBPs), http://www.naesb.org/pdf2/2007_retail_api1a_rec2.doc. No comments were submitted.
- **May 4, 2007:** WEQ Annual Plan Item 2 - Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform): Revision to Final Action R04006D to align the Resales Standards with Order 890 (http://www.naesb.org/pdf2/weq_040507_reqcom.doc). Comments were submitted by [Salt River Project](#); [Entergy](#); [MISO](#); [Southern Company](#); and [Bonneville Power Administration](#).
- **May 8, 2007:** Request No. R06008 - Modify WGQ Business Practice Standard 4.3.90 to clarify that all available data at representative points should be made available by Transmission Service Providers: http://www.naesb.org/pdf2/wgq_040907_reqcom.doc. Comments were submitted by the [Pipeline Segment](#).



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REQUESTS RECEIVED IN 2007

FOR THE RETAIL QUADRANTS

- No requests have yet been received for 2007 for the Retail Quadrants.

FOR THE WHOLESALE GAS QUADRANT

- [R07006](#) – Micki Schmitz of Northern Natural Gas submitted a request to add a reduction reason code to Operator Scheduled Quantity. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR
- [R07008](#)–Mitchell Whitehead of Texas Gas Transmission submitted a request to Add the Bidder Contact E-mail Address data element and the Bidder Contact Phone Number to the Award Download dataset. *This request has not yet been triaged, but it is anticipated that it will be assigned to the WGQ...*

FOR THE WHOLESALE ELECTRIC QUADRANT

- [R06027](#) – Jim Hansen of Seattle City Lights submitted a request on behalf of JISWG to develop an enhanced functionality specification for an Electric Industry Registry for the wholesale electric industry where the functions described in the specification would be classified as commercial in nature. The request was assigned to the JISWG to be addressed in the normal course of business of the group.
- [R07001](#) – Paul Sorenson of OATI submitted a request to develop a standard mechanism to implement a “RECALL” of transmission capacity from an existing confirmed transmission service reservation/Specify the technical requirements for implementation of a new OASIS request type, RECALL. There was no indication for an assignment of a high priority, therefore, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.
- [R07002](#)– Paul Sorenson of OATI submitted a request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide There was no indication for an assignment of a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.
- [R07003](#) – Paul Sorenson of OATI submitted a request to clarify the S&CP implementation of the DEFERRAL request. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.
- [R07004](#) – Alan Pritchard of Duke Energy submitted a request to develop business practice and technical standards for assigning, tracking, and limiting rollover rights. There was no indication for an assignment of a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.
- [R07005](#) – Marilyn Franz of NEVP/SPPC submitted a request to allow BAs to adjust dynamic schedule transaction type tags within the ATF changes rules. T There was no indication for an assignment of a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.
- [R07007](#) – Bob Harshbarger of Puget Sound Energy submitted a request to update the Coordinate Interchange Standards Commercial Timing Table to reflect the categories (On-time, Late, After-the-fact, and Pre-late) used in the latest E-Tag Specification with respect to receipt of an Arranged Interchange (RFI). There was no indication for an assignment of a high priority, therefore, it should be addressed in the normal course of business of the WEQ ESS/ITS.



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STANDARDS ADOPTED IN 2007

FOR THE WHOLESALE GAS QUADRANT

- **Recommendation R06008:** Modify WGQ Business Practice Standard 4.3.90 to clarify that all available data at representative points should be made available by Transmission Service Providers. *(The ratification ballot will be posted for this recommendation shortly).*

FOR THE RETAIL QUADRANTS

- **[Recommendation R05013](#):** Develop a model electric retail contract. *(Ratified 01/07/07).*
- **[Retail 2006 Annual Plan Item 4\(i\)](#):** Customer Enrollment model business practices. *(Ratified 01/07/07).*
- **2007 Retail Annual Plan Item 1 (a):** “Additional Billing and Payment MBPs. *(The ratification ballot for this Recommendation will be posted shortly).*
- **Second Recommendation for 2007 Retail Annual Plan Item 1 (a):** “Technical Electronic Implementation Standards for Billing and Payment. *(The ratification ballot for this Recommendation will be posted shortly).*
- **2005 Annual Plan Item 3:** “Customer Information. *(The ratification ballot for this Recommendation will be posted shortly)*
- **Recommendation R05016** “Customer Billing and Payment Notification via UET *(The ratification ballot for this Recommendation will be posted shortly)*

FOR THE WHOLESALE ELECTRIC QUADRANT

- **[Recommendation R04006C1](#):** - OASIS 1A Enhancements – Redirects (Release Mechanism). *(Ratified on April 7, 2007)..*
- **[Recommendation for 2007 WEQ Annual Plan Item 3\(a\)\(2\)](#):** - Implementation of S&CP changes to support Standards of Conduct business practices. *(Ratified on April 7, 2007)*
- Recommendation Proposed Standard WEQ Annual Plan Item 2 – Business practice standards for support of OATT Reform and Revision to Final Action R04006D to align the Resales Standards with Order 890. *(The ratification ballot will be posted for this recommendation shortly).*

STANDARDS ACTIVITY HIGHLIGHTS

- **DSM-EE Activities (Retail and WEQ):** The first meeting of the group was held on April 11 – at which time the scope of the first phase was identified to focus on measurement and verification standards as related to energy quantity savings and peak load quantity reductions. Since that meeting, two others have been held to create a task list and identify volunteers and resource documents and refine the task lists and set deliverable dates. The next meeting is scheduled for July 26, where survey questions will be reviewed and some draft standards determined from resources documents may be reviewed. It is possible to have some draft standards before yearend 2007.



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- **DUNS and GLN Coding (WEQ):** The WEQ continues to pursue further investigation to determine if D-U-N-S® numbers can continue to be used and how, or if another coding structure should be adopted. Earlier in 2006, we began discussions with Mr. Chad Bryant of Dun and Bradstreet regarding issues of usability of the DUNs Numbers for organization identifiers in the wholesale electric quadrants. WE have met twice with D&B representatives in 2007 but are unsure whether we will continue with D&B. The next set of meetings will be scheduled with GLN coding users.
- **eTariff (WEQ and WGQ):** The initial meeting was held on February 1, 2006 at the FERC, opened by Chairman Kelliher. Proposals from INGAA, EEI, AOPL and Texas Intrastate Association were given, along with a review by FERC staff of requirements to be met for an e-Tariff program. Since that initial meeting, several others have been held and it appears that a consensus in building to support a web portal option for electronically filing tariffs. The metadata requirements are nearing completion, and the method for submitting the filing (using XML schemas or open architecture database files) is now under consideration. NAESB standards should address three areas – (1) the metadata to accompany the electronic filing, the definitions of the metadata, and the mode of filing. It is expected that once we prepare our findings and standards for the FERC, a new NOPR will be issued. The next meeting of the group is July 27, 2007. This effort should conclude before yearend.
- **Gas Quality (WGQ):** The WGQ Executive Committee has acted on Request No. R06008 - gas quality standard changes. The recommendation for this request was remanded to the WGQ Business Practices Subcommittee during the December 7, 2007 conference call for further development. A revised recommendation was processed by the WGQ BPS during December 2006 and January-February 2007. At the May WGQ EC meeting, the EC adopted 3 of the standards proposed. The remaining standards did meet the 67% threshold for EC votes, but they did not meet the 40% segment threshold for one segment – the pipelines, and as such failed due to a one-segment block. The ratification of the three standards should be sent out shortly. NAESB will file the standards that failed the one segment block with the FERC along with the record of proceedings in NAESB, once the ratification process is complete.
- **Order 890 and OATT Reform (WEQ):** A working session was held to review the OATT NOPR and prepare analysis for the basis for NAESB comments to the FERC on August 7, 2006. The [comments](#) were filed on August 7, 2006. Similarly, NAESB provided [comments](#) to the FERC regarding the October 12 Technical Conference on OATT Reform on November 12, 2007. The Commission issued the final rule, Order 890, on [February 16, 2007](#). NAESB filed a status report on its plans on June 13, 2007.
- **Publication of Retail Standards (Retail):** The plan to publish Retail MBPs Version 1.1 is scheduled for the fall of 2007.
- **Publication of Wholesale Electric Standards Version 1.1 (WEQ):** The plans for publication of WEQ Version 1.1 were set for the summer, but may be slightly delayed to support NERC processing of the reliability standards to support TLR.
- **Publication of Wholesale Gas Standards:** On September 30, 2006, the [version 1.8 was published](#) for the WGQ standards with an expected submittal to the FERC after minor corrections and errors in the standards numbering for technical standards shared with the two retail quadrants is corrected. The expected filing date is July 15.
- **Retail Billing and Payment (Retail):** The REQ and RGQ Executive Committees met on February 7, 2007 at NAESB's offices in Houston, Texas. The Retail Executive Committees adopted a Recommendation of the Information Requirements and Technical Electronic Implementation subcommittees regarding technical implementation of the Billing and Payment model business practices previously ratified by NAESB membership. The Retail Executive Committees requested the Retail Glossary subcommittee to consider whether any of the new language in the technical implementation document requires Retail Glossary definitions and requested the Business Practices subcommittee to review any model business practices included in the technical implementation document.



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- **Retail Customer Information (Retail):** The technical implementation of the Customer Information MBPs previously ratified by NAESB membership is being reviewed to determine if changes are needed for consistency.
- **Standards of Conduct (WGQ):** The U.S. Court of Appeals, District of Columbia Circuit, in [Decision No. 04-1183](#) vacated FERC Order Nos. 2004, 2004-A, 2004-B, 2004-C and 2004-D as applied to natural gas pipelines on November 16, 2007. It is not expected that the WGQ standards will be affected.
- **Transmission Load Relief (WEQ):** NAESB has been in active discussions with NERC regarding the progress of the TLR split to ensure that version 1 of the WEQ standards can be published. The TLR NAESB standards were completed and ratified in December 2004. In July 2005, NERC received 12 sets of comments on its split of the TLR standards, which were fully consistent with the NAESB standards. There were 6 sets of comments in support of the split and 6 sets opposed. In November 2005, NERC Operating Reliability Committee requested that NAESB cease work on TLR and return the standards to them. At the time, NAESB was in the midst of additional TLR standards development per request no. R04013A. The WEQ EC considered NERC's request but continued its work on the existing request, which was approved by the WEQ EC on December 2005 and ratified the following April. NERC restarted its effort to complete the TLR split in June 2006. It is hoped that the NERC split will complete in the September–October timeframe. This split does impact the date for delivery of the version 1 release of NAESB WEQ standards and it also impacts the work underway for Order 890.
- **Wholesale Electric Seams Issues (WEQ):** The NAESB office distributed several letters on behalf of the chair of the Seams Subcommittee, Mr. Schwermann. The letters were distributed via e-mail to: APPA, WSPP, WECC (the Seams Issues Subcommittee and the Information Scheduling and Accounting Subcommittee), EEI, and IRC. The included several inquiries regarding some of the Seams issues and whether the various organizations could provide additional information on the resolution of those issues and/or were willing to participate in an effort to address the issues with the NAESB Seams Subcommittee. As a result of the survey, it was determined that there was no need for national standards at this time.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS NAESB SCHEDULE FOR FERC FILINGS JUNE 28, 2007

FEDERAL ENERGY REGULATORY COMMISSION

- **February 1, 2007:** NAESB held a [one-day meeting](#) hosted by the FERC to discuss possible standards development activities for e-Tariff. Chairman Kelliher opened the meeting.
- **March 27, 2007:** NAESB held a two-hour conference call with FERC staff to review the Order 890 plans and verify that NAESB had identified all items that require our attention. NERC staff was also on the call.
- **May 16, 2007:** NAESB held a conference call with FERC staff and with NERC staff to review plans for Order 890 and planned filing on June 13.
- **June 15, 2007:** Rae McQuade and Michael Desselle met with Commissioner Wellinghoff's office to discuss progress made on e-Tariff, DSM and Order 890.
- **June 19, 2007:** Rae McQuade met with Shelton Cannon, Jamie Simler and George Godding to discuss progress on e-Tariff.
- **June 20, 2007:** Rae McQuade met with Commissioner Moeller's office to discuss progress made on e-Tariff, DSM and Order 890.
- **Planned, July 12, 2007:** Rae McQuade has scheduled update meetings with Commissioner Spitzer and Commissioner Kelly regarding e-Tariff, DSM and Order 890.
- **Planned, July 20, 2007:** Rae McQuade and Michael Desselle have scheduled an update meeting with Chairman Kelliher regarding e-Tariff, DSM and Order 890.

FERC FILINGS

- **October 25, 2006:** FERC issued notices of proposed rulemakings for [Docket Nos. RM96-1-027 and RM05-5-001](#) as well as an [order instituting inquiries for ISOs and RTOs](#) regarding gas-electric coordination issues (Docket Nos. EL07-1, EL07-2, EL07-3, EL07-4, EL07-5 and EL07-6). The NOPRs outline the expectation that the FERC will adopt NAESB gas-electric coordination standards. The NOPRs appeared in the [Federal Register](#) on November 3, which began the clock for commenting.
- **January 9, 2007:** FERC issued an [Interim Rule on Standards of Conduct](#) (Docket No. RM07-6-000, Order 690). As NAESB has implemented standards to support standards of conduct, it was thought that there may be changes required to those standards. It was determined that no changes were needed.
- **January 18, 2007:** FERC issued a NOPR on [Standards of Conduct for Transmission Providers](#) (Docket No. RM07-1-000). As NAESB has implemented standards to support standards of conduct, as this order is considered and adopted in a final order, there may be changes to both WEQ and WGQ standards.
- **February 5, 2007:** NAESB filed [WEQ "Standards of Business Practices and Communication Protocols for Public Utilities"](#) (Docket Nos. [RM05-5-000](#)) to provide additional information regarding the November 16, 2006 submittal of modifications to NAESB Wholesale Electric Quadrant business practices for Coordinate Interchange (WEQ-004).
- **February 16, 2007:** FERC issued a Final Rule (Order 890) on [Preventing Undue Discrimination and Preference in Transmission Service](#). This order will require extensive changes to NAESB OASIS standards, addresses ATC/TTC standards already under development, will create new transparency reporting and new services – all of which will require modified or new NAESB standards.



North American Energy Standards Board

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NAESB BOARD OF DIRECTORS MEETING MATERIALS NAESB SCHEDULE FOR FERC FILINGS JUNE 28, 2007

- **February 20, 2007:** FERC issued a NOPR on [Standards for Business Practices and Communication Protocols for Public Utilities, Docket No. RM05-5-003](#) to adopt changes to the Coordinate Interchange (CI) business practice NAESB standards in order for the business practices and reliability standards for CI to remain consistent.
- **April 9, 2007:** NAESB filed [Minor Correction to Coordinate Interchange Business Practice Standards in Docket No. RM05-5-000, "Standards for Business Practices and Communication Protocols for Public Utilities"](#)
- **April 11, 2007:** FERC issued an Order Granting Extension of Compliance Action Dates for Order 890 "[Preventing Undue Discrimination and Preference in Transmission Service](#)" (Docket Nos. [RM05-17-000](#) and [RM05-25-000](#); Order No. 890).
- **June 13, 2007:** NAESB filed a [status report](#) including the plans for task related to FERC Order 890 and OATT Reform.

FERC FILING SCHEDULE

- NAESB has submitted filings to the FERC to date in 2006-2007 as noted below.

Filed in the 1st Quarter 2006

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

Filed in the 3rd Quarter 2006

- (4) WEQ: A report was provided to the Commission on August 7 related to Docket Nos. RM05-25-000 and RM05-17-000. The report included a list of items that may require NAESB attention and standards development dependent on the final order and proposed staging of development and industry implementation. – Filed August 7, 2006.

Filed in the 4th Quarter 2006

- (5) WEQ: A minor correction on WECC timing, Docket No. RM05-5-000 – Filed 10-30-06
- (6) WEQ: A set of speaker points and addendum answering Commission questions on the OATT Reform NOPR as part of the October 12 FERC Technical Conference – Filed 11-2-06.
- (7) WEQ: NAESB filed a coordinate interchange version 1 modification to ensure consistency with NERC filings on coordinate interchange for reliability standards, Docket No. RM05-5-000 – Filed 11-16-06.

Filed in the 1st Quarter 2007

- (8) WEQ: NAESB filed comments clarifying the coordinate interchange submittal on 11-6-06. The comments were filed in Docket No. RM05-5-000 – Filed 2-5-07.
- (9) WEQ: NAESB filed Minor Correction to Coordinate Interchange Business Practice Standards in Docket No. RM05-5-000, "Standards for Business Practices and Communication Protocols for Public Utilities" to address timetables for WECC. Docket No. RM05-5-000 – Filed 4-9-07.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS NAESB SCHEDULE FOR FERC FILINGS JUNE 28, 2007

Planned by 2nd/3rd Quarter 2007

- (10) WEQ: Order 890 Status Report and Plan, Docket Nos. RM05-17-000 and RM05-25-000 – Filed June 13, 2007
- (11) 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)
- (12) WGQ: Version 1.8 WGQ standards (published September 30, 2006) (RM96 et al). Should be filed once minor corrections are processed and NAESB determines if changes are needed to support the FERC actions on the court-vacated Order 2004.
- (13) 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)
- (14) WEQ: Release mechanisms on the S&CP (RM05-5-000)
- (15) 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) – It is questionable whether NERC will have its portion of TLR prepared in time to remain in sync with NAESB.
- (16) WEQ: Possible Version 1 changes to the standards including Coordinate Interchange Business Practices, TLR.
- (17) WEQ: Business Practices for the ATC/TTC functions should be filed with the FERC in 2007-2008 as requested by the Commission on May 18 in the NOPR, Docket No. [RM05-25-000](#), and subsequently finalized in Order 890, See item 11.

Planned Post 3rd Quarter 2007

- (18) WEQ: Business Practices for the ATC/TTC functions should be filed with the FERC in 2007-2008 as requested by the Commission on May 18 in the NOPR, Docket No. [RM05-25-000](#), and subsequently finalized in Order 890, See item 11.

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 8

BOARD BUSINESS

RESOURCES COMMITTEE UPDATE

This section includes:

- Resources Committee Membership Analysis

The material presented is background information for the discussion of agenda item 5. No voting action is expected of the Board.



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June 12, 2007

TO: NAESB Resources committee
FROM: Rae McQuade, NAESB President and COO
RE: Membership Analysis, Vacancies on the Board and EC, Membership Prospects – Revised 6/12/07

via email

Dear NAESB Resources Committee:

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

Best Regards,

Rae

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



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Attachment 1

North American Energy Standards Board Board Resources Committee Roster

Quadrant	Contact and Company	Phone	Email
WEQ	Jeff Ackerman, Western Area Power Administration	970-240-6209	ackerman@wapa.gov
RGQ	Bill Bourbonnais, WPS Resources Corporation	920-433-1573	wbourbo@wpsr.com
WEQ	Scott Brown, Exelon Corporation	202-347-8096	scott.brown@exeloncorp.com
WEQ	Michael Desselle, Southwest Power Pool	501-614-3206	mddesselle@spp.org
WEQ	Bruce Ellsworth, New York State Reliability Council	603-746-3447	ellsworth@conket.com
WEQ	Mike Grim, TXU Business Services	214-812-6262	mike.grim@txu.com
WEQ	Leonard Haynes, Southern Company	404-506-0206	ljhaynes@southernco.com
WGQ	Bill Hebenstreit, Cheniere Marketing, Inc.	832- 518-4629	bhebenstreit@cheniere.com
REQ	Ruth Kiselewich, Baltimore Gas & Electric	410-470-1361	ruth.c.kiselewich@bge.com
REQ	David Koogler, Dominion Virginia Power	804-771-3429	David_koogler@dom.com
WEQ	Ron Mucci, Williams Power Company	918-573-8728	ron.m.mucci@williams.com
WGQ	Mike Novak, National Fuel Gas Distribution	716-857-7884	novakm@natfuel.com
WGQ	Jim Templeton, Comprehensive Energy Services	713-759-6999	jtemplton@aol.com
WEQ	Roy True, Aces Power Marketing	317-344-7203	royt@acespower.com



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Attachment 2a

NAESB Membership Prospects – Short Term, Individual Companies and Organizations

Membership Prospects	Source	Contact/Notes	Assignment
x Advantage IQ, Inc.	office	Suzanne Figy, interested in NAESB Retail would like to participate in development of billing and payment process. Sent packet 10/16/06. Not interested at this time.	D. Rager
Advanced Energy	D. Koogler		D. Koogler
x Alcoa	office	Steve Frank, interested in NAESB contract and in membership, letter sent 7-10-06. Not interested at this time.	D. Rager
✓ <i>Allegheny Energy, Inc. - Allegheny Power</i>	<i>EEI - NERC</i>	<i>Terri Grabiak, possible interest as a WEQ board member. Materials provided 7-20-06. Mr. Brown followed up with them prior to 8/22/06 meeting. Has Joined</i>	<i>S. Brown</i>
✓ <i>Allegro Development</i>		<i>Kimberly Page – submitted RGQ, Services application Jan. 2007 – Has Joined</i>	
✓ <i>American Public Gas Association (APGA)</i>	<i>office</i>	<i>Alonzo Weaver – submitted WGQ, LDC application Nov. 2006 – Has Joined</i>	
✓ <i>ANR Pipeline Company</i>		<i>Sandy Meyers – submitted WGQ, Pipeline application Jan. 2007 – Has Joined</i>	
APPA			
American Wind Energy Assoc.			R. McQuade
BFI Waste Mgmt.			
✓ <i>California Department of Water</i>	<i>office</i>	<i>Debbie Terzoli, asked for payee data record completion before she can process membership application and remit payment (WEQ, Generation segment). Has Joined</i>	<i>D. Rager</i>
Chesapeake Energy	office	James C. “Jim” Johnson, President of Chesapeake Energy Marketing, Inc. Initial contact was Bill Hebenstreit. Letter to Jim should be sent from the office shortly. Packet sent 1/3/07.	B. Hebenstreit
Choice Energy Services	M. Novak	Jeff Sterba, membership packet sent by NAESB office as requested by M. Novak, 9/15/06.	M. Novak



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Cirro Energy Services	M. Novak	Jeff Nottingham, membership packet sent by NAESB office as requested by M. Novak 9/15/06.	M. Novak
✓ Citigroup	office	Angela D. Davis, joining WGQ, Services segment – Has Joined	
✓ Colorado Springs Utilities	office	Joe M. Holmes – submitted application WGQ, LDC – Has Joined	
Constellation Energy	office	Mr. John Cory – called office requesting membership information. 2 packets mailed on 3/21/07	D. Rager
✓ Coral Energy Resources, LP	S. Brown	Eric Gillaspie submitted application WGQ, Services segment and has been invoiced for fees – Has Joined	S. Brown
✓ Coral Power, LLC	S. Brown	Robert Reilley submitted application WEQ, Marketer/Broker segment and has been invoiced for fees – Has Joined	S. Brown
x DataNet, Inc.	office	Drew MacDonald – packet sent 2/27/07. Cost not within budget for 2007. May consider in 2008.	D. Rager
✓ Deseret Power	NRECA	Curt Winterfeld, interested in a WEQ Board seat, has received membership info from the office. Waiting for membership form and payment (invoice sent). Has Joined	B Lawson
Devon Energy		Bill Green. John Bretz of Anadarko, has offered to follow up.	B. Hebenstreit
✓ Duke Energy Corp	office	Dan Jones submitted application to join REQ, Distributors – Has Joined	D. Rager
✓ Electric Power Supply Association EPSA		Mark Bennett submitted application WEQ, Marketer/Broker segment and payment – Has Joined	S. Brown
x E.ON U.S. (LG&E Energy, Kentucky Utilities, Western Kentucky Energy))	office	Daryn Barker, interested in access to NAESB work products, requested information on NAESB	D. Rager



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		membership. Letter sent to Mr. Barker on 7-14-06. LM – no return call 11/7/06. Not interested in membership at this point, just participation as non-member.	
EnerNOC, Inc.	Ed Overtree	Katie Mihalko and David Brewster – sent packets as requested by E. Overtree 1/30/07.	Ed Overtree
Entessa	office	Marcus Patrinicola, interested in certification, pricing makes it advantageous to be a member.	D. Kirby
EOG Resources		Mark G. Papa. Letter to Mark should be sent from the office shortly. Packet sent 1/3/07.	B. Hebenstreit
First Choice Power	M. Novak	Jeff Sterba, membership packet sent by NAESB office as requested by M. Novak 9/15/06.	M. Novak
✓ <i>First Energy</i>		<i>Robert Martinko and Thomas Burgess have joined the WEQ, Transmission segment – Has Joined</i>	<i>R. McQuade</i>
Foothills Energy Ventures, LOC	R. McQuade	Marty Patterson – Rae requested membership packet to be sent. Mailed packet 5/1/07	R. McQuade
Gestalt, LLC	M. Novak	Richard Wodyka – sent packet at the request of M. Novak 1/30/07.	M. Novak
Good Cents	office	Robert S. Mason contacted Laura concerning membership information. Mailed packet 4/13/07	L. Kennedy
✓ <i>Hess Energy</i>		<i>Contact J. Cooper submitted application for WGQ, Services segment – Has Joined</i>	
✓ <i>JP Morgan Ventures Energy Corp</i>	office	<i>Ike Gibbs, submitted application to join WGQ, Services – Has Joined</i>	<i>D. Rager</i>
✓ <i>Lehman Brothers Commodity Services, Inc.</i>	office	<i>David Perlman submitted application to join WGQ, Services – Has Joined</i>	
Liberty Power	R. Kiselewich	David Hernandez, membership packet sent by NAESB office as requested by M. Novak to be sent to Mr. Hernandez, 9/15/06.	R. Kiselewich/ M. Novak
✓ <i>Lincoln Electric System</i>	office	<i>Douglas Bantam submitted</i>	



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NAESB Membership Prospects – Short Term, Individual Companies and Organizations

Membership Prospects	Source	Contact/Notes	Assignment
		<i>application WEQ, Generation segment – Has Joined</i>	
x LODESTAR Corporation	office	Carolyn Heinen, Interested in participation software provider company covering both wholesale and retail markets. Not interested in joining at this time. Will purchase materials needed.	D. Rager
Marriott	Office	EJ Hilt, possible membership	D. Kirby
McDermott, Will and Emery	K. Fudali	Dennis J. Withee – sent packet as requested by K. Fudali 11/9/06.	K. Fudali
Merrill Lynch	office	Anchalee Do, asked about contract, WGQ, could result in several memberships. Letter sent 7-11-06.	L Kennedy
✓ <i>Midwest Reliability Organization (MRO)</i>	<i>B. Bourbonnais</i>	<i>Daniel P. Skarr, submitted application Dec. 2006 – Has Joined</i>	<i>B. Bourbonnais</i>
New Era Energy, Inc.	M. Edwards	Jack Greenhalgh, relationship with SAIC may be interested in joining.	M. Edwards
New Jersey Division of the Ratepayer	office	Felicia Thomas-Friel, <u>initial contact was Barbara R. Alexander</u> . Possible interest in membership	D. Rager
Newfield Exploration		David Sills. In March of 2005, their management decided not to join NAESB. The office will send a letter to their CEO, David A. Trice shortly. Packet sent 1/3/07.	B. Hebenstreit
Noble Energy		Robert K. “Bob” Bursleson, president of their marketing affiliate, Noble Energy Marketing, Inc. Letter to Bob should be sent from the office shortly. Packet sent 1/3/07.	B. Hebenstreit
x NRG Energy	office	Lloyd Will, <u>initial contact was Kevin Burns</u> . He is interested in membership. We have sent a membership packet. He may be interested in a leadership role. Mr. Brown contacted NRG prior to the 8/22/06 meeting. NRG is still interested in membership but no commitment has been made. <i>10/18/06 – Note – NRG not going</i>	R. McQuade



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Membership Prospects	Source	Contact/Notes	Assignment
		<i>to join</i>	
x Power Holdings of Illinois	office	Steve Shaw, Power Holdings of Illinois LLC contacted Denise Rager regarding the gas contract and possible membership or access to standards. Letter sent on 7-12-06. Not interested in joining at this time.	D. Rager
✓ Public Service Company of New Mexico	office	David Eubank, Manager of Transmission Contracts and Policy Analysis, is interested and will comment on our OATT Analysis and asked for membership information. Has Joined	L. Kennedy
✓ Reliance Gas Transportation Infrastructure Limited	office	Jagjit Yadav of Mumbai, India – interested in membership. Sent application and information 3/14/07. Will be submitting application per reply 3/16/07. Has Joined	D. Rager
✓ Reliant Energy Services	S. Brown	Gary A. Hinnners submitted application WEQ, Generation segment and payment – Has Joined	S. Brown
✓ Salt River Project Agricultural Improvement & Power District	office	Mark S. Mitchell – submitted application Dec. 2006 – Has Joined	
✓ Seattle City Light	office	Bill Gaines. <u>Initial contact was Jim Hansen.</u> Received application 05/29/07. NOT PAID	R. McQuade
Shell Trading			S. Brown
Siemens NewEnergy Associates	office	Bob Usher, <u>Initial contact was Dave Koogler.</u> Possible interest in membership. Material sent. Has indicated they might join depending on the 2007 Annual Plan 10/18/06.	D. Rager, D. Koogler will follow up on this lead
✓ Sierra Pacific Resources	office	Marilyn Franz, attendee to many NAESB meetings. Considering membership but weighing it against the \$2 million in dues to support WECC, NERC and FERC(?) submitted application WEQ, Transmission segment -	L Kennedy, R McQuade



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Membership Prospects	Source	Contact/Notes	Assignment
		Has Joined	
✓ <i>Sierra Pacific Resources</i>	<i>office</i>	<i>Sheryl Torrey, called office to obtain membership information to join WEQ, Marketer/Broker, IOU Sub-segment. Received application 06/07/07. Has Joined</i>	<i>D. Rager</i>
Strategic Energy, LLC	office	Pam Melton, interested in possibly filling a vacancy in the retail electric quadrant. Packet sent 10/13/06.	D. Rager, R. Kiselewich
Structure Group	office	Lisa Blackwood, possible interest in membership, lunch set up with <u>Cade Burk</u> who was initial contact	R. McQuade
x Summit Power	office	Mike Gent, possible interest in NAESB membership, letter sent on 7-14-06. Summit Power is going to join 10/18/06 – <i>should be removed Summit has determined not to join due to conflicts of interest. Mike has joined the Board representing OATI.</i>	R. McQuade, S. Brown
x Targa Resources, Inc.	office	Janet Sullivan, <u>initial contact was Ellen Klecka.</u> Possible interest in membership. Will purchase materials.	D. Rager
x Terra Industries, Inc.	office	Emily Garness – Inquiring about obtaining access to standards on website. Wanted information on process and obligation for membership. Sent packet 3/15/07. Not interested in joining at this time.	D. Rager
✓ <i>Tucson Electric</i>	<i>office</i>	<i>Raquel Aquilar called with questions about membership 3/29/07 will be submitting application. Received application 4/3/07. Has Joined</i>	<i>D. Rager</i>
UIL Holding Corporation -- Connecticut Power and Light	office	Jim Torgerson, Rae has contacted regarding membership – will probably join by yearend.	R. McQuade
Vectren Corporation - Southern Indiana Gas and Electric Company			
Virginia Citizens Consumer Council	office	Irene Leech, <u>Initial contact was Dave Koogler.</u> Possible interest in membership. Material sent.	D. Rager, D. Koogler will follow up on this



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NAESB Membership Prospects – Short Term, Individual Companies and Organizations

Membership Prospects	Source	Contact/Notes	Assignment
XTO Energy		Bob R. Simpson, CEO. Letter to Bob should be sent from the office shortly. Packet sent 1/3/07.	lead B. Hebenstreit



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Attachment 2b

NAESB Membership Prospects – Groups

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



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Attachment 2c

NAESB Membership Prospects – Long Term

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



North American Energy Standards Board

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Attachment 2c

NAESB Membership Prospects – Long Term

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



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NAESB Membership Prospects – Long Term

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



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Attachment 3

North American Energy Standards Board New Members since January 2006

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



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North American Energy Standards Board New Members since January 2006

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

** Membership dues not yet received.



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North American Energy Standards Board New Members since January 2007

Quadrant	Segment	Contact and Company	Reason Joined	Month Joined
WEQ	IGO	Alberta Electric System Operator	Participation in new segment	March
RGQ	Services	Allegro Development – Kimberly Page	Participation.	January
WGQ	Pipeline	ANR Pipeline Company - Sandy Meyers	Participation.	January
WEQ	Marketer	APS Marketing and Trading	Participation	April
WEQ	IGO	California ISO (CAISO) – Yakout Mansour	Participation in new segment.	February
WGQ	LDC	Colorado Springs Utilities – Joe M. Holmes	No reason given.	January
WGQ	Pipeline	Houston Pipe Line Company LP – Jose Castrejano	Participation.	January
WEQ	IGO	Independent Electricity System Operator (IESO) – Ron Falsetti and David Short	Participation in new segment.	March
WEQ	IGO	ISO New England, Inc.	Participation in new segment	March
REQ	Services	ista North America	Participation	May
WEQ	Transmission	National Grid	Participation	April
WEQ	IGO	New York Independent System Operator, Inc. (NYISO) – Michael Calimano and Mark S. Lynch	Participation in new segment.	February
WGQ	Services	Nexen Marketing – Shelley Leavitt	No reason given.	January
WEQ	Transmission	Northwestern Corporation	No reason given.	May
WEQ	IGO	PJM Interconnection	Participation in new segment	March
WEQ	Transmission	Portland General Electric	Participation	April
WEQ	Marketer	Public Service Company of New Mexico	Board participation	April
WGQ	Pipeline	Reliance Gas Transportation Infrastructure Limited	Access to standards and contracts	March
WGQ	Services	SolArc, Inc.	Continued participation in NAESB and assisting clients	April
WEQ	Marketer	Tampa Electric	Involvement in development of standards related to FERC Order 890	May
WEQ	IGO	TranServ International, Inc. – Kevin Burns	Participation in new segment	February
WGQ	Pipeline	Transwestern Pipeline Company – Blair V. Lichtenwalter, Mary Dramer, and David Mendoza	Company sold to Energy Transfer Partners, who did not operate any other interstate pipelines.	February
WEQ	Transmission	Tucson Electric Power Company	No reason given.	April
WGQ	Services	Virginia Power Energy Marketing, Inc. – Gregory V. Staton	No reason given.	February

** Membership dues not yet received.



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North American Energy Standards Board Member Resignations in 2006

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



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



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North American Energy Standards Board Member Resignations in 2007

Quadrant	Segment	Contact and Company	Reason Resigned	Month Resigned
WGQ	Services	American Electric Power Service Corporation	No reason given for non renewal	March
WGQ	End User	Arizona Public Service Company	No reason given for non renewal	March
WGQ	Producer	Burlington Resources	Acquired by ConocoPhillips who is a member	March
WEQ	Transmission	Platte River Power Authority – Terry L. Baker	No reason given for non renewal.	February
RGQ	Distribution	Peoples Gas System – Rachel Gebhardt	Company contact no longer with company. They do not wish to continue membership.	March
WEQ	Transmission	TRANS-ELECT, Inc. – Paul D. McCoy	No reason given for non renewal.	January
WGQ	Services	Trinity Apex Solutions, Inc.	No reason given for non renewal	March



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Attachment 5

North American Energy Standards Board June 6, 2007

Vacant Seats	Quadrant	Seat	Segment	Subsegment		
12	Retail Electric	Board (7)	Supplier (2)			
			End User (3)			
			Service Providers (2)			
		Executive Committee (5)	End User (3)			
			Services (1)			
			Supplier (1)			
35	Retail Gas	Board (17)	Distribution (3)			
			End User (6)			
			Service Providers (3)			
			Suppliers (5)			
			Executive Committee (18)	Distribution (3)		
		End User (6)				
		Service Providers (5)				
		Suppliers (4)				
		9	Wholesale Electric	Board (5)	Transmission (2)	Independent Transmission Company (1) Investor Owned Utility (1)
					End User (3)	End Use ((Also in another segment)(1) Commercial/Residential (1) Large Industrial (1)
Executive Committee (4)	End User (4)			Large Industrial (at large) (1) End Use – Self Generation (at large) (1) Commercial/Residential (at large) (1) End Use (In other segments) (at large) (1)		
	Transmission (0)					
3	Wholesale Gas	Board (2)	Producers (1)			
			Services (1)			
		Executive Committee (1)	End Users (1)			



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Attachment 6

North American Energy Standards Board Membership as of June 6, 2007

Member Company	Quadrant	Segment	Contact
8760	WGQ	s	Jim Buccigross
ACES Power Marketing LLC	WEQ	m	Roy J. True
AGL Resources Inc.	RGQ	d	Katrina Bond
Alabama Electric Cooperative, Inc.	WEQ	d	William Ronald Graham
Alabama Power	REQ	d	Judy W. Ray
Alberta Electric System Operator	WEQ	i	Diana Pommen
Allegheny Energy, Inc.	WEQ	t	Terri Grabiak
Allegro Development	RGQ	s	Kimberly Page
Alliance Pipeline LP	WGQ	pl	Neil Coghlan
Ameren Corporation	WGQ	l	Scott Glaeser
Ameren Services	WEQ	m	Shawn Schukar
Ameren Services Company	REQ	d	Patrick Eynon
American Electric Power Service Corp.	WEQ	m	Barbara Radous, Joseph Hartsoe, Phil Cox
American Municipal Power - Ohio, Inc.	WEQ	d	Mack Thompson, Chris Norton
American Public Gas Association	WGQ	l	Alonzo Weaver
American Public Power Association	WEQ	d	Allen Mosher
American Transmission Company LLC	WEQ	t	Julie Voeck
Anadarko Energy Services Company	WGQ	s	John Bretz
ANR Pipeline Company	WGQ	pl	Sandy Meyers
Apache Corporation	WGQ	pr	Kelley Powell
APS Marketing and Trading	WEQ	m	Steve Norris
Arizona Public Service Company	WEQ	t	Mark W. Hackney
Atmos Energy	WGQ	pl	Steve Easley
Ballard Natural Gas, LLC	WGQ	s	Susan Thibodeaux
Baltimore Gas & Electric Co.	REQ	d	Ruth Kiselewich
Baltimore Gas & Electric Co.	WGQ	l	Phil Precht
Baltimore Gas & Electric Company	RGQ	d	Phil Precht
Barclays Bank PLC	WGQ	s	Guy Kern-Martin
Basin Electric Power Cooperative	WEQ	t	Dan Klempel
Basin Electric Power Cooperative	WEQ	m	David Raatz



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Attachment 6

North American Energy Standards Board Membership as of June 6, 2007

Member Company	Quadrant	Segment	Contact
Basin Electric Power Cooperative	WEQ	g	Jason Doerr
BG Energy Merchants, LLC	WGQ	s	Martha Braddy
Boeing Company	WGQ	e	Tina Burnett
Bonneville Power Administration	WEQ	d	Sydney D. Berwager
Bonneville Power Administration	WEQ	g	Fran Halpin
Bonneville Power Administration	WEQ	m	Brenda Anderson
Bonneville Power Administration	WEQ	t	Barbara Rehman
BP America, Inc.	WEQ	e	Jeanne Zaiontz
BP Energy	WGQ	pr	Bill Benham, Lauren Kaestner
Bridgeline Gas Marketing	WGQ	pl	Georgia Blanchard
California Department of Water Resources	WEQ	g	William (Bill) Forsythe
California ISO	WEQ	i	Yakout Mansour
Calpine Energy Services, LP	WGQ	e	Shonnie Daniel, Craig Chancellor
Cargill Incorporated	WGQ	s	Kathy Gerken
Carolina Gas Transmission Corporation	WGQ	pl	Ryan Leahy
Cascade Natural Gas Corporation	WGQ	l	Mark Sellers-Vaughn
Center Point Energy Minnegasco	RGQ	su	Tracy Bridge
CenterPoint Energy Gas Services, Inc.	WGQ	s	James G. Beste, Laurie A. Rutherford
CenterPoint Energy Gas Transmission Company	WGQ	pl	Larry Thomas
CenterPoint Energy Mississippi River Transmission Corp.	WGQ	pl	Robert Trost
Central Electric Power Cooperative	WEQ	d	Arthur Fusco
Chandeleur Pipe Line Company	WGQ	pl	Janice E. Rogers
Cheniere Marketing, Inc.	WGQ	s	Mark Stubbe, Tammy Miller
Chevron Natural Gas	WGQ	pr	Charles (Chuck) Cook
ChevronTexaco Energy Research and Technology	WEQ	e	Carol Guthrie
Cimarex Energy Co	WGQ	pr	Charlotte Baker
Citigroup Energy Inc.	WGQ	s	Carrie Southard, Angela Davis
Cleco Power, LLC	WEQ	t	Cindy Guillot
Colorado Springs Utilities	WGQ	l	Joe M. Holmes
Columbia Gas Transmission	WGQ	pl	Carl Levander
Commerce Energy Group	RGQ	s	Greg Lander
Comprehensive Energy Services	WEQ	e	Jim Templeton



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Member Company	Quadrant	Segment	Contact
Comprehensive Energy Services	WGQ	e	Jim Templeton
Conectiv Energy Supply, Inc.	WEQ	g	Gloria Ogenyi
Conectiv Energy Supply, Inc.	WEQ	m	Gloria Ogenyi
ConocoPhillips Gas and Power	WGQ	pr	Peter Frost
Consolidated Edison Company of NY	REQ	d	Hollis Krieger
Consolidated Edison Company of NY	WGQ	l	Scott Butler, Paul Olmsted
Consolidated Edison Company of NY, Inc.	WEQ	t	Scott Butler
Constellation Energy Commodities Group, Inc.	WGQ	s	Lisa Simpkins
Constellation Generation Group	WEQ	g	Michael Gildea
Constellation NewEnergy, Inc.	REQ	su	Sara O'Neill, Peter Kelly-Detwiler, Janson Pollock
Consumers Energy Company	WEQ	d	Andrew C. Dotterweich, Frank Johnson
Coral Energy Resources, LP	WGQ	s	Eric Gillaspie
Coral Power, LLC	WEQ	m	Robert Reilley, Paul Kerr
Dairyland Power Cooperative	WEQ	t	Chuck Callies
Dauphin Island Gathering Partners	WGQ	pl	Katie Rice
Defense Energy Support Center	WGQ	e	Veronica Jones, Kevin Ahern
Department of Energy	WGQ	e	Christopher Freitas
Department of the Interior, Bureau of Reclamation	WEQ	g	Dr. Karl Wunderlich
Deseret Generation & Transmission Co-operative	WEQ	g	Curtis Winterfeld
Direct Energy Business Services	REQ	su	David Booty
Dominion Energy Marketing, Inc.	WEQ	g	Lou Oberski, Jalal Babik
Dominion Exploration and Production, Inc.	WGQ	pr	David Ogden, Sheri Heslington, Gary Weaver
Dominion Resources (Previously CNG)	WGQ	l	Craig Columbo
Dominion Retail	REQ	su	William Barkas, Richard Zelenko
Dominion Retail, Inc.	RGQ	su	Richard A. Zollars
Dominion Transmission, Inc.	WGQ	pl	Gary Sypolt, Iris King
Dominion Virginia Power	REQ	d	David F. Koogler, Mary Edwards
DTE Energy Trading, Inc.	WGQ	s	Miki Kolobara
Duke Energy Americas, LLC (DEA)	WEQ	g	Walt Yeager
Duke Energy Corp.	REQ	d	Dan Jones
Duke Energy Corp.	WEQ	d	Alan Pritchard



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Member Company	Quadrant	Segment	Contact
Dynegy Power Marketing, Inc.	WEQ	g	Barry Huddleston
EC Power International	REQ	s	Judy Bailey, J. Cade Burks, Jennifer Teel
Edison Electric Institute	WEQ	n	David Owens, Dave Dworzak, James P. Fama
Edison Mission Marketing & Trade, Inc.	WEQ	g	William Roberts
El Paso Exploration & Production Company	WGQ	pr	Susan Lum
El Paso Natural Gas	WGQ	pl	William Griffith
Electric Power Supply Association	WEQ	m	Mark Bennett
Electric Reliability Council of Texas (ERCOT)	REQ	s	Sam R. Jones, Ray Giuliani, Susan Munson
Electric Reliability Council of Texas (ERCOT)	WEQ	i	Sam R. Jones, Ray Giuliani, Bill Blevins
ElectriCities of North Carolina	WEQ	g	Gregory Locke
Electricity Consumers Resource Council (ELCON)	WEQ	e	John Anderson, John Hughes
Empire District Electric Company, The	WEQ	t	Bary K. Warren
Enbridge Energy Company Inc	WGQ	pl	Terry McGill
EnCana Corporation	WGQ	pr	Keith Sappenfield
EnCana Marketing (USA) Inc.	WGQ	s	Keith Sappenfield
Energy East Management Corporation	WEQ	t	Marjorie Perlman
Energy East Management Corporation	WGQ	l	Marjorie Perlman
Energy Services Group, Inc.	RGQ	s	George Behr
Entergy Services, Inc.	WEQ	t	Edward J. Davis, Narinder Saini
Entergy Services, Inc.	WGQ	e	Laura Berryman, Terry Shields
Enterprise Products Partners, LP	WGQ	pl	Richard W. Porter
Equitable Gas Company	WGQ	l	Steve Rafferty
Equitrans, L.P.	WGQ	pl	Dave Dewey
Exelon Corporation - PECO Energy	WEQ	d	John McCawley
Exelon Energy	RGQ	su	Sheree M. Petrone
Exelon Energy Delivery	REQ	d	Toni Garza
Exelon Generation - Power Team	WEQ	m	Jack Crowley
ExxonMobil Gas Marketing	WEQ	e	Mark Schanzer
ExxonMobil Gas Marketing	WGQ	pr	Richard Smith
First Energy Service Company	WEQ	d	Robert M. Martinko, Thomas C. Burgess
FirstEnergy Solutions Corp.	WEQ	m	Edward C. Stein
Florida Municipal Power Agency	WEQ	g	Robert C. Williams



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Attachment 6

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Member Company	Quadrant	Segment	Contact
Florida Municipal Power Agency	WEQ	d	Steven H. McElhaney
Florida Power & Light Company	WEQ	m	Gerry Yupp, Raleigh Nobles
Florida Power & Light Company	WEQ	t	Marty Mennes
Florida Power & Light Company	WGQ	e	Dona Gussow
Florida Reliability Coordinating Council	WEQ	t	Linda D. Campbell
Florida Reliability Coordinating Council	WGQ	e	Ken Wiley
FPL Energy Power Marketing, Inc.	WGQ	e	Michael Jessop
Gas Transmission Northwest Corporation	WGQ	pl	Jay Story
Georgia Transmission Corporation	WEQ	t	Patrick McGovern
Great Lakes Gas Transmission	WGQ	pl	Gene Fava
Group 8760	WGQ	s	Jim Buccigross
Gulf Power Company	REQ	d	Joel Thomas Kilgore
Gulf South Pipeline	WGQ	pl	Randy Young
H S Resources Inc.	WGQ	pl	Carol Hall
Hess Corporation	WGQ	s	Rebecca Batchelder
Houston Pipe Line Company LP	WGQ	pl	Josie Castrejana
Hydro - Quebec Transenergie	WEQ	t	Victor Bissonnette
Hydro One Networks	WEQ	t	Mark Graham
Idaho Power Company	WEQ	t	Tessia Park
Imperial Irrigation District	WEQ	m	Kim M. Kiener, Frank M. Barbera
Imperial Irrigation District	WEQ	t	Juan Carlos Sandoval, Javier Esparza
Imperial Irrigation District	WGQ	e	William Rapp
Independent Electricity System Operator (IESO)	WEQ	i	Ron Falsetti, David Short
Indiana Municipal Power Agency	WEQ	g	Dick Foltz
Indiana Office of Utility Consumer Counselor	RGQ	e	Matthew Parsell
Integrus Energy Services, Inc.	REQ	d	Dennis Derricks, Les Nishida, Ken Thiry
Integrus Energy Services, Inc.	RGQ	d	William Bourbonnais, Ken Thiry, Les Nishida
Integrus Energy Services, Inc.	WEQ	g	William Bourbonnais, Charles W. Severance, Neal Balu
Integrus Energy Services, Inc.	WGQ	l	Ronald G. Mosnik
International LNG Alliance	RGQ	s	David Sweet
Interstate Gas Supply	RGQ	su	Elizabeth Clothier



North American Energy Standards Board

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Attachment 6

North American Energy Standards Board Membership as of June 6, 2007

Member Company	Quadrant	Segment	Contact
Iroquois Gas Transmission System	WGQ	pl	Tom Gwilliam
ISO New England, Inc.	WEQ	i	Matthew F. Goldberg
ista North America	REQ	s	Charles Porter
J. P. Morgan Ventures Energy Corp.	WGQ	s	Ike Gibbs
Kern River Gas Transmission Company	WGQ	pl	Brenda Horton
KeySpan Energy	WGQ	l	Dolores Chezar
Laclede Gas Co.	WGQ	l	Kenneth Neises
Latitude Technologies	RGQ	s	Leigh Spangler
Latitude Technologies	WGQ	s	Leigh Spangler
Lehman Brothers Commodity Services Inc.	WGQ	s	David Perlman
Lincoln Electric System	WEQ	g	Douglas Bantam
Louis Dreyfus Energy Services L.P.	WGQ	s	Mary Ellen Bell, Ruby Melton
Lower Colorado River Authority	WGQ	e	Mickey Bell
Macquarie Cook Energy, LLC	WGQ	s	Angela Jones
Marathon Oil Company	WGQ	pr	Robin Perrine
Maryland People's Council	WEQ	e	Seva Diakoparaskevas
Mewbourne Oil Company	WGQ	pr	Michael F. Shepard
Michigan Electric Transmission Company LLC	WEQ	t	Charles V. Waits
Michigan Public Power Agency	WEQ	d	James R. Nickel, Daniel E. Cooper
MidAmerican Energy	REQ	d	James E. Wilson
MidAmerican Energy Company	WEQ	m	Norman B. Stratton
Midwest Independent Transmission System Operator	WEQ	i	Bill Phillips, Ed Skiba
Midwest Reliability Organization	WEQ	t	Shel Berg
Mirant Energy Trading, LOC	WGQ	e	Laura Trautman, John F. Hogan
Mississippi Power Company	REQ	d	Dorman Davis
Missouri River Energy Services	WEQ	d	Brian Zavesky
Modesto Irrigation District	WEQ	t	Roger Van Hoy
National Association of Regulatory Utility Commissioners	WEQ	e	Lou Ann Westerfield
National Fuel Gas Distribution	WGQ	l	Michael Novak
National Fuel Gas Distribution Corporation	RGQ	d	Mike Novak
National Fuel Gas Supply Corp.	WGQ	pl	Joseph Kardas
National Grid	WEQ	t	Edward M. Kremzier



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National Grid USA	WGQ	l	Bruce Garcy
National Rural Electric Cooperative Assoc.	WEQ	d	Barry Lawson
Natural Gas Pipeline Co of America	WGQ	pl	Paul Love
Navigant Consulting, Inc.	WEQ	m	Richard G. Smead
New Jersey Natural Gas Company	WGQ	l	Douglas C. Rudd
New York Independent System Operator	WEQ	i	Mark S. Lynch, Michael Calimano
New York State Dept. of Public Service	WEQ	e	William Heinrich
New York State Reliability Council	WEQ	d	P. Donald Raymond
Nexen Marketing	WGQ	s	Shelley Leavitt
Niagara Mohawk	RGQ	d	James Dillon
NiSource Inc.	WGQ	l	George Simmons
North American Electric Reliability Corporation (NERC)	WEQ	d	Donald M. Benjamin, Larry Kezele, Tom Vandervort
North Carolina Electric Membership Corporation	WEQ	d	David Beam
North Carolina Electric Municipal Power Agency #1	WEQ	m	Clay A. Norris
North Carolina Electric Municipal Power Agency #1	WEQ	d	Matt Schull
Northeast Utilities Service Company	WEQ	t	David Boguslawski, Calvin A. Bowie
Northern Indiana Public Service Company (NiSource)	RGQ	d	Mark T. Maassel
Northern Natural Gas	WGQ	pl	Mary Darveaux
Northwest Natural Gas Company	WGQ	l	Randolph Friedman
Northwestern Corporation	WEQ	t	Mike Cashell
NOVA Gas Transmission Ltd.	WGQ	pl	Doug Miller
Occidental Energy Marketing Inc. (OEMI)	WGQ	pr	Andy Wu
Office of Public Advocate, State of Maine	REQ	e	Barbara Alexander
Ohio Consumers Council	REQ	e	Wilson Gonzalez
Ohio Consumers Council	RGQ	e	Bruce M. Hayes
Ohio Consumers Council	WEQ	e	Wilson Gonzalez
Oncor	REQ	d	Larry Williford, Debbie McKeever
Oncor	WEQ	t	Ellis Rankin, Debbie McKeever
ONEOK	WGQ	l	Patricia Anderson
ONEOK Partners GP, LLC	WGQ	pl	Teri Tingler
Ontario Power Generation	WEQ	g	Barry Green



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Ontario Power Generation	WEQ	m	Renzo Marcuzzi
Open Access Technology International, Inc.	WEQ	e	Michehl Gent
Open Access Technology International, Inc.	WEQ	t	Paul R. Sorenson
Otter Tail Power Company	WEQ	t	Daryl Hanson, Larry Larson
Pacific Gas & Electric	WGQ	l	John Breen
PacifiCorp	WEQ	m	Edison G. Elizeh, John Apperson
PacifiCorp	WEQ	g	Greg Maxfield
PacifiCorp	WEQ	t	Brian Weber
Panhandle Eastern Pipe Line Co.	WGQ	pl	William Grygar, Kim Van Pelt
PECO Energy Co.	WGQ	l	Reed R. Horting, Amy Hamilton
Pemex Gas Y Petroquimica Basica	WGQ	s	Juan Enrique Gonzalez Azuara
Pennsylvania Office Of Consumer Advocate	REQ	e	Tanya J. McCloskey, Sonny A. Popowsky
Pennsylvania Office of Consumer Advocate	RGQ	e	Tanya J. McCloskey
Peoples Gas Light & Coke Co.	WGQ	l	Tom Zack
PHI Power Delivery	WEQ	t	Ken Gates
Philadelphia Gas Works	RGQ	d	Craig White, Joe Stengel
PJM Interconnection	WEQ	i	Alicia Daugherty
Platts	WGQ	s	Bill Murphy
Portland General Electric	WEQ	m	Terri Peschka
Portland General Electric	WEQ	t	Frank Afranji
Portland Natural Gas Transmission System	WGQ	pl	David Haag
Powerex Corp.	WEQ	m	Michael L. McWilliams, Sharole Tylor
PPL Electric Utilities Corporation	WEQ	t	Ray Mammarella
PPL EnergyPlus, LLC	WGQ	e	Anne Lovett
PPL Solutions, LLC	REQ	s	James M. Minneman
Progress Energy	WEQ	t	Nina M. McLaurin, Phillip W. Lewis
Progress Energy (regulated)	WEQ	m	James Eckelkamp
PSEG Energy Resources and Trade LLC	WEQ	m	James D. Hebson
PSEG Power LLC	WEQ	g	Thomas M. Piascik
Public Service Company of New Mexico	WEQ	m	Mark T. Klein
Public Service Electric & Gas	REQ	d	Terrence Moran
Public Service Electric & Gas	WGQ	l	David Wohlfarth



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Public Service Electric & Gas Company	RGQ	d	Terrance Moran
Public Service Electric and Gas Company	WEQ	d	Jeffrey C. Mueller
Public Service Electric and Gas Company	WEQ	t	Kenneth D. Brown
Puget Sound Energy, Inc.	WEQ	t	George Marshall, Bob Harshbarger
Qualedi, Inc	WEQ	g	Stephen A. Morocco
Questar Pipeline Co.	WGQ	pl	Scott Hansen
Quorum Business Solutions Inc.	WGQ	s	Mark Davis
Reliance Gas Transportation Infrastructure Limited	WGQ	pl	Jagjit Yadav
Reliant Energy Services	WEQ	g	Gary A. Hanners
Sabine Pipe Line LLC	WGQ	pl	Jan Rogers
Sacramento Municipal Utility District	WEQ	d	Robert D. Schwermann
Sacramento Municipal Utility District	WEQ	g	TBA
Salt River Project Agricultural Improvement & Power District	WGQ	e	Diane McVicker
Salt River Project Agricultural Improvement and Power District	WEQ	d	Wendy Weathers, Mark B. Bonsall
Salt River Project Agricultural Improvement and Power District	WEQ	t	Steve Cobb
Salt River Project Agricultural Improvement and Power District	WEQ	m	Mark S. Mitchell
Seminole Electric Cooperative, Inc.	WEQ	m	Trudy S. Novak
Sempra Energy - Southern California Gas Co.	WGQ	l	Lee Stewart, Rodger Schewecke
Sequent Energy Management, L.P.	WGQ	s	Pat Metteauer
Sierra Pacific Resources	WEQ	t	Patricia Englin
SolArc, Inc.	WGQ	s	Chuck McClure
South Carolina Electric & Gas Company	WEQ	t	S. Porcher Stoney
South Carolina Electric & Gas Company	WEQ	m	Kevin Spitzform
Southeastern Power Administration	WEQ	g	Bob Goss
Southern California Edison	WEQ	t	Weston Williams
Southern California Edison Company	WEQ	g	Tracy Bibb
Southern California Edison Company	WGQ	e	Roman Bakke
Southern Company Services	REQ	s	Mark S. Jarrett
Southern Company Services, Inc.	WEQ	d	Gary Rozier, Leonard Haynes, Greg Butrus



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Southern Company Services, Inc.	WEQ	g	John Ciza
Southern Company Services, Inc.	WEQ	m	Joel Dison
Southern Company Services, Inc.	WEQ	t	R.D. (Dean) Ulch, John Lucas, JT Wood, James Y. Busbin
Southern Company Services, Inc.	WGQ	e	Alan Kilpatrick
Southern Natural Gas Co.	WGQ	pl	Renee Hyde, Tracey Nicholson
Southern Star Central Gas Pipeline	WGQ	pl	James L. Harder, Dale Sanders
Southwest Gas Corporation	WGQ	l	Larry Black
Southwest Power Pool	WEQ	i	Carl Monroe, Michael Desselle
Southwest Transmission Cooperative, Inc.	WEQ	t	Larry D. Huff
Southwestern Power Administration	WEQ	t	Stanley L. Mason
Spectra Energy Transmission	WGQ	pl	Richard Kruse
Sprague Energy Corp.	RGQ	su	Kathy Fudali
Structure Group	REQ	s	Stacey Wood
SUEZ Energy Marketing NA, Inc.	WEQ	m	Ken Lackey, Cesar Seymour
SunGard	WGQ	s	Lucia Nail
Systrends USA	RGQ	s	Dave Darnell
Tampa Electric Company	WEQ	m	Gail M. McKaig
Tenaska, Inc.	WEQ	g	Scott Helyer
Tennessee Gas Pipeline Company	WGQ	pl	Sue Barry, Mark Gracey
Tennessee Valley Authority	WEQ	d	Cindy Herron
Tennessee Valley Authority	WEQ	g	Kathy York
Tennessee Valley Authority	WEQ	m	Clyde Harmon
Tennessee Valley Authority	WEQ	t	W. Terry Boston
Tennessee Valley Authority	WGQ	e	Valerie Crockett
Texas Gas Transmission, LLC	WGQ	pl	Mitch Whitehead
Tiger Natural Gas	WGQ	s	Tracy Phillips
TransCanada Pipelines	WGQ	pl	Doug Miller
TranServ International, Inc.	WEQ	i	Kevin Burns
Transwestern Pipeline Company, LOC	WGQ	pl	Blair V. Lichtenwalter, Mary Dramer, David Mendoza
Tri-State Generation and Transmission Association, Inc.	WEQ	t	Bruce Sembrick
Tucson Electric Power Company	WEQ	tt	Raquel Aguilar, Judy Fregoso, Ed Beck



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TXU Energy	WEQ	m	Elizabeth Howland, Mike Grim
TXU Energy Retail	REQ	su	Felecia Lokey
UBS Energy	RGQ	su	Suzanne Calcagno
UBS Energy	WGQ	s	Suzanne Calcagno
UGI Utilities, Inc.	RGQ	d	Paul Szykman
Vector Pipeline L.P.	WGQ	pl	Amy Bruhn
Vega Energy Partners, Ltd.	WGQ	s	Lori Leeder
Vermont Public Power Supply Authority	WEQ	g	William J. Gallagher
Virginia Power Energy Marketing, Inc.	WGQ	s	Dennis R. Lane
Wal-Mart Stores, Inc.	REQ	e	Angela Beehler
Washington Gas Light Co.	WGQ	l	Adrian Chapman , Ken Yagelski
We Energies	WEQ	d	Linda Horn
We Energies	WEQ	g	James R. Keller
Western Area Power Administration	WEQ	t	Mark Fidrych
Western Area Power Administration	WEQ	m	Jeffrey Ackerman
Western Electricity Coordinating Council	WEQ	g	Michael L. Wells, Louise McCarren
Westfield Gas & Electric Light Dept.	WGQ	l	Joyce Bodak
Williams Gas Pipeline	WGQ	pl	Dale Davis
Williams Power Company	WEQ	g	Ron Mucci
Williston Basin Interstate Pipeline	WGQ	pl	Keith Tiggelaar
Wisconsin Public Power Inc.	WEQ	d	Mike Stuart
Xcel Energy	RGQ	d	Don Basler
Xcel Energy Inc.	WEQ	m	David Lemmons

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 9

BOARD BUSINESS

EXECUTIVE COMMITTEE REPORTS

This section includes:

- The 2007 Annual Plans for each of the quadrants

The material presented is background information for the discussion of agenda item 5.

The Executive Committee leadership of each quadrant will discuss its progress towards completion of its 2007 annual plan and respond to questions from the Board. Action is required of the Board, to approve changes suggested by Executive Committees and to approve any changes suggested by the Board. To approve changes to the plans, the Board will be asked to vote to endorse those changes via a simple majority vote.



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NORTH AMERICAN ENERGY STANDARDS BOARD

2007 WEQ Annual Plan – Approved by the Board of Directors on March 22, 2007

With Recommended WEQ EC Changes, May 8, 2007

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) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Make version 1 changes to business practices as requested.	Ongoing	BPS
i) Make changes to business practices as related to inclusion of the NERC Reliability Functional Model functional model entities as NERC undertakes the same efforts.	As requested	BPS
Status: No requests.		
b) Develop business practices to support Coordinate Interchange – R05020 “Include a guideline for rounding schedules with partial mWh's in the coordinate interchange business practice WEQ BPS-002-000”	3 rd Q, 2007	BPS
Status: Underway.		
c) Develop business practice standards to support Operate Within Limits (R03017).	2007	BPS
Status: Not Started. Coordination of NAESB timeline with NERC timeline is required.		
d) Develop business practices to support the reliability components of TLR.		
i) Version 0 Split of TLR business practices from reliability components.	2 nd Q, 2007	BPS
Status: Completed ratification and delayed publication and filing with FERC until NERC has had the opportunity to complete its split.		
ii) Continuous support of TLR Procedure in alignment with NERC efforts including version 1 development.	Ongoing	BPS
Status: Ongoing as NERC makes changes. R06002 completed and approved by the WEQ EC on 5-9-06.		
iii) Complete version 1 TLR business practices.	2 nd Q, 2007	BPS
Status: Dependent on successful completion of NERC efforts – 1(d)(i).		
e) Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.	4 th Q, 2007	BPS
Status: Not Started.		
f) Develop jointly with NERC a Joint NERC/NAESB Operating training manual.	4 th Q, 2007	BPS
Status: Not Started. Dependent on completion of version 1 TLR BPs, 1(d)(i).		



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2007 WEQ Annual Plan – Approved by the Board of Directors on March 22, 2007

With Recommended WEQ EC Changes, May 8, 2007

Item Description	Completion ¹	Assignment ²
2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)		
a) 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 as determined by the final order.	2007	BPS/ESS
Status: Underway using joint standards development process with NERC. Request R050004 was expanded to include the OATT NOPR items (NOPR, Docket Nos. RM05-25-000 and RM05-17-000 , "Preventing Undue Discrimination and Preference in Transmission Services", issued May 19, 2006).		
i) Group 0: Resales Status: Completed. Recommendation adopted at May 8, 2007 WEQ EC meeting. Ratification ballot posted on June 22, 2007.	2 nd Quarter 2007	ESS/ITS
ii) Group 1: Posting Of ETC; Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Of Priority Status: Underway	3 rd Quarter 2007	ESS/ITS
iii) Group 2: Metrics; Redispatch Cost Posting Status: Not Started	End of 3 rd beginning of 4 th Quarter 2007	ESS/ITS
iv) Group 3: Network Service On OASIS Status: Not Started	4 th Quarter, 2007	ESS/ITS
v) Group 4: Conditional Firm; Pre-Emption; Request No. R05019; and Revisions to Standard 9.7 Status: Not Started	4 th Quarter, 2007/1 st Quarter 2008	ESS/ITS
vi) Group 5: Paragraph 1377 Status: Not Started	1 st Quarter 2008	ESS/ITS
vii) Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890) Status: Not Started	2 nd Quarter 2008	ESS/ITS
b) Develop the needed business practices as companion to the NERC standards for ATC related efforts.	TBD	BPS/ESS
i) Develop standards to support existing Request No. R05004 . Status: Underway	TBD	BPS/ESS



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2007 WEQ Annual Plan – Approved by the Board of Directors on March 22, 2007

With Recommended WEQ EC Changes, May 8, 2007

	Item Description	Completion ¹	Assignment ²
ii)	<p>Develop the Business Practice Standards complementary to NERC Reliability Standards for Existing Transfer Capability (ETC) to create a “consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses”, including the elements of ETC for full implementation of the NERC MOD-001 reliability standard</p> <p>Status: Not Started.</p>	3 rd Quarter, 2007	BPS/ESS
iii)	<p>Capacity Benefit Margin (CBM) Business Practices</p> <ul style="list-style-type: none"> Business practice standards to set forth “how the CBM value shall be determined, allocated across transmission paths, and used” and how transmission providers will “reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service.” <p>Status: Not Started</p> <ul style="list-style-type: none"> Business practice standards that include an OASIS mechanism to “allow for auditing of CBM usage.” <p>Status: Not Started</p> <ul style="list-style-type: none"> Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort <p>Status: Underway</p>	3 rd Quarter, 2007	BPS/ESS
iv)	<p>Transmission Reliability Margin Business Practices:</p> <ul style="list-style-type: none"> Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM <p>Status: Underway</p> <ul style="list-style-type: none"> The business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort <p>Status: Underway</p>	3 rd Quarter, 2007	BPS/ESS



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2007 WEQ Annual Plan – Approved by the Board of Directors on March 22, 2007
With Recommended WEQ EC Changes, May 8, 2007

	Item Description	Completion ¹	Assignment ²
v)	<p>Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability)):</p> <ul style="list-style-type: none"> • Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards • Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange • Business practice standards that will set forth how transmission providers will post “explanations of the reason for a change in monthly and yearly ATC values on a constrained path.” The standards will include a requirement that the transmission provider post the reason for the change in a narrative form. The posted information will include “the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).” • Business practice standards for posting on OASIS of the “underlying load forecast assumptions for all ATC calculations” • Business practice standards for posting on OASIS of the “actual daily peak load for the prior day.” • Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards <p>Status: Underway</p>		BPS/ESS
vi)	<ul style="list-style-type: none"> • Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 <p>Status: Underway</p> <ul style="list-style-type: none"> • Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) <p>Status: Underway</p>	3 rd Quarter, 2007	BPS/ESS



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2007 WEQ Annual Plan – Approved by the Board of Directors on March 22, 2007

With Recommended WEQ EC Changes, May 8, 2007

Item Description	Completion ¹	Assignment ²
c) Develop version 1 business practice standards to support transparency reporting and related functions that may be required as a result of the final order.	TBD	BPS/ESS
Status: Not Started.		
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) Develop OASIS S&CP changes to support OASIS business practices:		
1) Implementation of S&CP changes to support "relinquish" mechanism to complement non-firm redirects (R04006C1).	1st Q, 2007	ESS/ITS
Status: Complete – approved by the WEQ EC on 2-6-07.		
2) Implementation of S&CP changes to support Standards of Conduct business practices.	1st Q, 2007	ESS/ITS
Status: Complete – approved by the WEQ EC on 2-6-07.		
ii) Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions (R04006E).	3 rd Q, 2007	ESS/ITS
Status: Underway.		
iii) Registry: Determine and develop needed business practice standards to support the registry functions currently supported by NERC (R04037).	3 rd Q, 2007	JISWG
Status: Underway.		
iv) Identify e-Tag enhancements to support business practices (including e-Tag specification changes) (R05018).	3 rd Q, 2007	JISWG
Status: Underway.		
v) Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (R05019).	4 th Q, 2007	ESS/ITS
Status: Not Started.(Related to request R05004)		
vi) Make incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026).	TBD	Not Assigned
Status: Underway. Scoping statement completed by SRS and to be considered by the WEQ EC for assignment.		



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NORTH AMERICAN ENERGY STANDARDS BOARD

2007 WEQ Annual Plan – Approved by the Board of Directors on March 22, 2007

With Recommended WEQ EC Changes, May 8, 2007

	Item Description	Completion ¹	Assignment ²
vii)	Respond to issues in FERC Order No. 676 (Docket No. RM05-5-000) – NAESB WEQ Standards 001 9.7, (paragraph 51 of the order). Status: Underway – see item 7 in provisional items. Delayed awaiting clarification in Order No.890.	Delayed	ESS/ITS
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Address the surety assessment findings on NAESB PKI standards. Status: Complete, will be provided as a response to the U.S. DoE upon completion by the WGQ for their response to the findings.	1 st Q, 2007	JISWG
ii)	Develop PKI standards for OASIS. Status: Not Started.	3 rd Q, 2007	ESS
iii)	Develop PKI Standards for e-tagging. Status: Underway.	3 rd Q, 2007	JISWG
iv)	Develop enhanced Electric Industry Registry (EIR), (R06027) Status: Underway.	4 th Q, 2007	JISWG
c)	Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Status: Underway.	3 rd Q, 2007	NAESB Staff with WEQ support
4	Review and develop business practices standards as applicable to address seams issues		
a)	Review and evaluate entries in existing Seams Catalog and identify possible business practices development. Status: Underway.	3 rd Q, 2007	Seams
b)	Develop business practice standards as identified from the review of the seams catalog. Status: Underway.	TBD	To be assigned
5	Review and develop business practices standards to support e-Tariff program		
	Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM05-1-000) Status: Underway.	3 rd Q, 2007	Joint WEQ/WGQ e-Tariff Subcommittee



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NORTH AMERICAN ENERGY STANDARDS BOARD
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With Recommended WEQ EC Changes, May 8, 2007

Item Description	Completion ¹	Assignment ²
<p>6 Review and develop business practices standards to support e-Tariff program</p> <p>Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.</p> <p>Status: Underway.</p>	2008	Joint WEQ/Retail DSM-EE Subcommittee

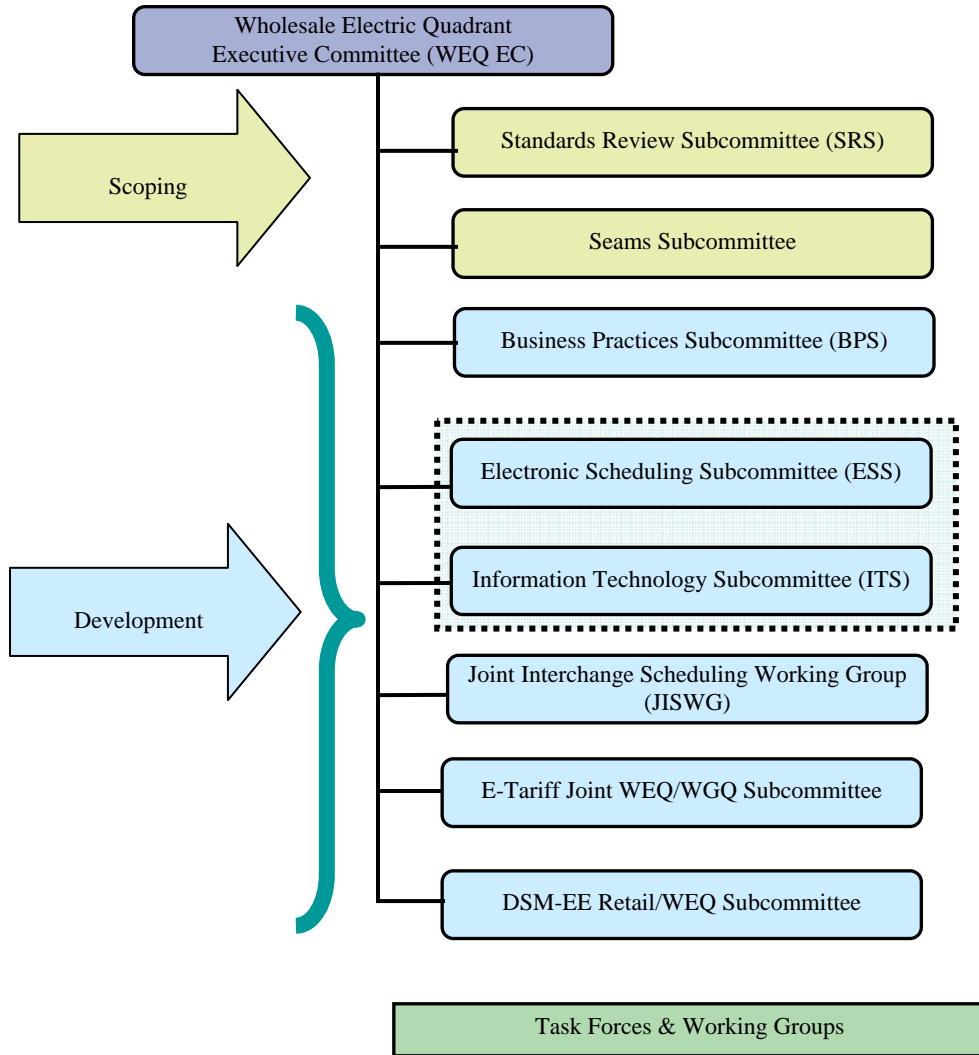
PROVISIONAL ITEMS

- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy and Inadvertent Interchange Data Standards BAL-006 revisions.
- 2 Develop business practice standards as requested by the regional and state advisory groups.
- 3 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.
- 4 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.
- 5 Develop and or modify business practices as requested by FERC related to gas-electric coordination issues in [Docket No. RM05-5-001](#), "Standards for business practices for Interstate Natural Gas Pipelines", "Standards for Business Practices for Public Utilities," issued October 25, 2006 and related [order on inquiry](#), "Order Instituting Inquiries into Gas-Electric Coordination Issues," also issued on October 25, 2006.
- 6 Develop and/or maintain business practice standards to support gas-electric interdependencies
 - Respond to requests as received that are related to Docket No. RM05-28-000.
 - Respond directives related to the conclusions of the NAESB reports submitted in Docket No. RM05-28-000.



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NAESB WEQ EC and Subcommittee Leadership:

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



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End Notes:

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.



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NORTH AMERICAN ENERGY STANDARDS BOARD
2007 WGQ Annual Plan Approved by the NAESB Board of Directors on March 22, 2007
with Proposed Changes from the WGQ EC on May 10, 2007

	Item Description	Completion ¹	Assignment ²
Damage Reporting for Natural Gas Pipeline Facilities			
1	Review and develop standards as appropriate to support posting of information as noted in Docket No. RM06-18-000, Order No. 682 and Docket No. RM06-18-001, Order No. 682-A . Status: Not Started.	3 rd Q, 2007	BPS
a.	Review transmission line damage reporting to identify commonality and apply to item 1 above as appropriate. Status: Not Started.	3 rd Q, 2007	BPS
Electronic Delivery Mechanisms and Related Activities			
2	Review security standards as may be deemed necessary, e.g. Public Key Infrastructure (PKI). Status: Pending Activities of the WEQ EC.	Pending WEQ PKI activities	EDM
3	Develop or amend WGQ technical standards, as appropriate, to address to the DoE Sandia National Laboratories 2006 surety assessment findings and recommendations. Status: Underway.	4 th Q, 2007	BPS/EDM
4	Prepare a joint analysis with the retail quadrants for AS2 and AS3 protocols as compared to the NAESB IET. Status: Underway.	2 nd Q, 2007	WGQ EDM & Retail TEIS
Contracts Activities			
5	Develop FAQ for Updated NAESB Base Contract for Sale and Purchase of Sale of Natural Gas. Status: Underway.	3 rd Q, 2007	Contracts
6	Review and update NAESB Canadian Addendum to the NAESB Base Contract for Sale and Purchase of Sale of Natural Gas to incorporate the recent NAESB Base Contract revisions (Initial Draft prepared by Chair of Contracts SC). Status: Complete.	2 nd Q, 2007	Contracts
Gas-Electric Interdependency			
7	Respond to directives of Docket Nos. RM05-5-001 and RM96-1-027 as related to the NAESB reports submitted in Docket No. RM05-28-000 . Status: Not Started.	TBD	TBD
Review and develop business practices standards to support e-Tariff program			
8	Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM05-1-000) Status: Underway.	3 rd Q, 2007	Joint WEQ/WGQ e-Tariff Subcommittee



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2007 WGQ Annual Plan Approved by the NAESB Board of Directors on March 22, 2007
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Program of Standards Maintenance & Fully Staffed Standards Work³

Business Practice Requests	Ongoing	Assigned by the EC ⁴
Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA.	Ongoing	ANSI X12 Subcommittee
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC ⁴
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC ⁴
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC ⁴

Provisional Activities⁵

Respond to requests as received that are related to Docket No. [AD06-11-000](#) (Market Transparency Reporting).

Respond to changes as needed to support decisions from the [D.C. Court of Appeals decision, No. 04-1183](#), decided on 11-17-06 vacating FERC Order Nos. 2004, 2004-A, 2004-B, 2004-C and 2004-D as applied to natural gas pipelines.

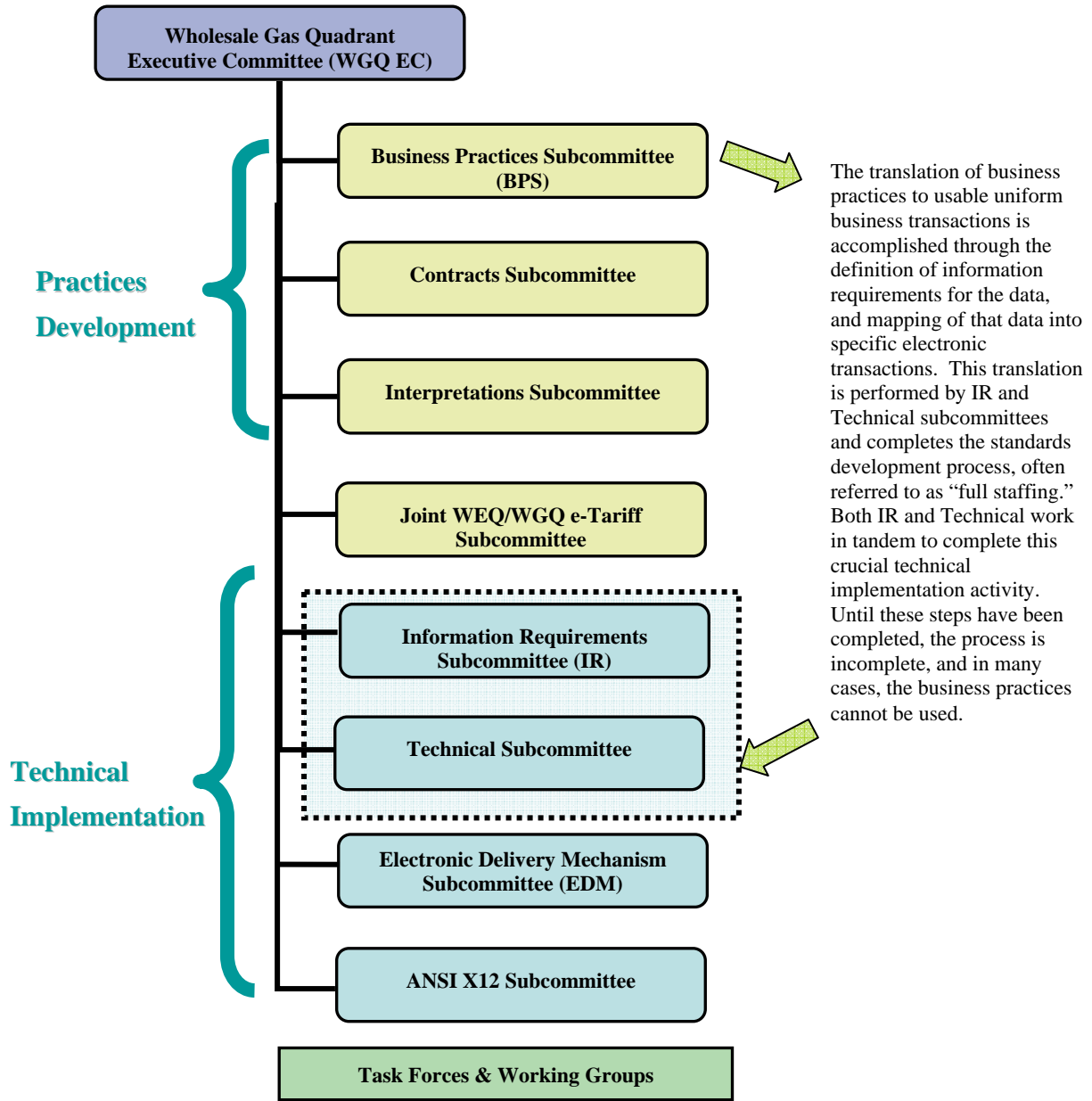
Notes: (a) Priority is given to action items that are carry-overs from the 2006 Annual Plan.

(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 2007 WGQ EC and Subcommittee Leadership:

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



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End Notes:

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

³ This work is considered routine maintenance and thus the items are not separately numbered.

⁴ The EC assigns maintenance of existing standards on a request by request basis.

⁵ 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

2007 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors on March 22, 2007 with Recommended Changes from the Retail ECs on May 9, 2007

Item Number & Description	Completion ²	Assignment
1 Billing & Payment		
Develop additional model business practices for reversal and reissue, transformer loss factors, budget billing and payment plans, and missed bill windows	1 st Q 2007	IR
Status: Complete		
2 Electronic Retail Billing.		
Develop Technical Electronic Implementation Standards – Electronic Retail Billing	2 nd Q 2007	TEIS
Status: Underway		
3 Customer Enrollment, Drop and Account Information Change		
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.	2 nd Q 2007	BPS
i) Customer Enrollment	2 nd Q 2007	BPS
Status: Complete		
ii) Customer Drop	1 st Q 2007	BPS
Status: Complete		
iii) Account Information Change	2 nd Q 2007	BPS
Status: Complete		
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.	3 rd Q 2007	IR
Status: Underway		
c. Develop Technical Electronic Implementation Standards – Customer Enrollment, Drop and Account Information Change,	4 th Q 2007	TEIS
Status: Not Started		
4 Customer Enrollment, Drop and Account Information Change Using a Registration Agent		
Develop practices when using a Registration Agent for submitting and receiving, processing and fulfilling a Customer's request to enroll with or leave a Supplier (including Suppliers dropping Customers) and for maintaining current Customer account information, and for notifying affected parties.		
i) Customer Enrollment	3 rd Q 2007	Texas Task Force/ BPS
Status: Underway		
ii) Customer Drop	4 th Q 2007	Texas Task Force/ BPS
Status: Not Started		



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NORTH AMERICAN ENERGY STANDARDS BOARD

2007 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors on March 22, 2007 with Recommended Changes from the Retail ECs on May 9, 2007

Item Number & Description	Completion ²	Assignment
iii) Account Information Change Status: Not Started	1 st Q 2008	Texas Task Force/ BPS
5 Customer Information Develop additional model business practices for Customer Information Status: Underway	2008	BPS
6 Customer Inquiries Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. Status: Not Started. Delayed to 2008 for completion because the registration agent model is separate from customer enrollments.	2008	BPS
7 Prepare a joint analysis with the WGQ for AS2 and AS3 protocols as compared to the NAESB IET. Status: Underway	4 th Q 2007	TEIS & WGQ EDM
8 Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. Status: Not Started	TBD	TEIS
9 Address issues raised in the Department of Energy's Sandia National Laboratories on NAESB technical standards and respond to the surety assessment findings and recommendations. Status: Underway	4 th Q 2007	BPS/TEIS
10 Consider and develop as needed model business practices to support Gas Design Day Forecast ¹ Status: Not Started. A reach out to the SGA and AGA for subject matter experts will be undertaken first, before the group is populated.	TBD	RGQ - Gas Design Day Task Force
11 Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program. Status: Underway	2008	Joint WEQ/Retail DSM Subcommittee

¹ Reach out to SGA and AGA for subject matter experts.



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2007 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS¹

Approved by the Board of Directors on March 22, 2007 with Recommended Changes from the Retail ECs on May 9, 2007

Item Number & Description	Completion ²	Assignment
Program of Standards Maintenance & Fully Staffed Standards Work²		
Business Practice Requests	Ongoing	Assigned by the EC ³
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC ⁴
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC ⁴
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC ⁴
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

Provisional Activities

Joint Effort:

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

Modify TPA as necessary.

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

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

Review existing body of model business practices for applicability to registration agents and develop model business practices as needed.

Retail Electric Quadrant Effort Only:

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

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

Retail Gas Quadrant Effort Only:

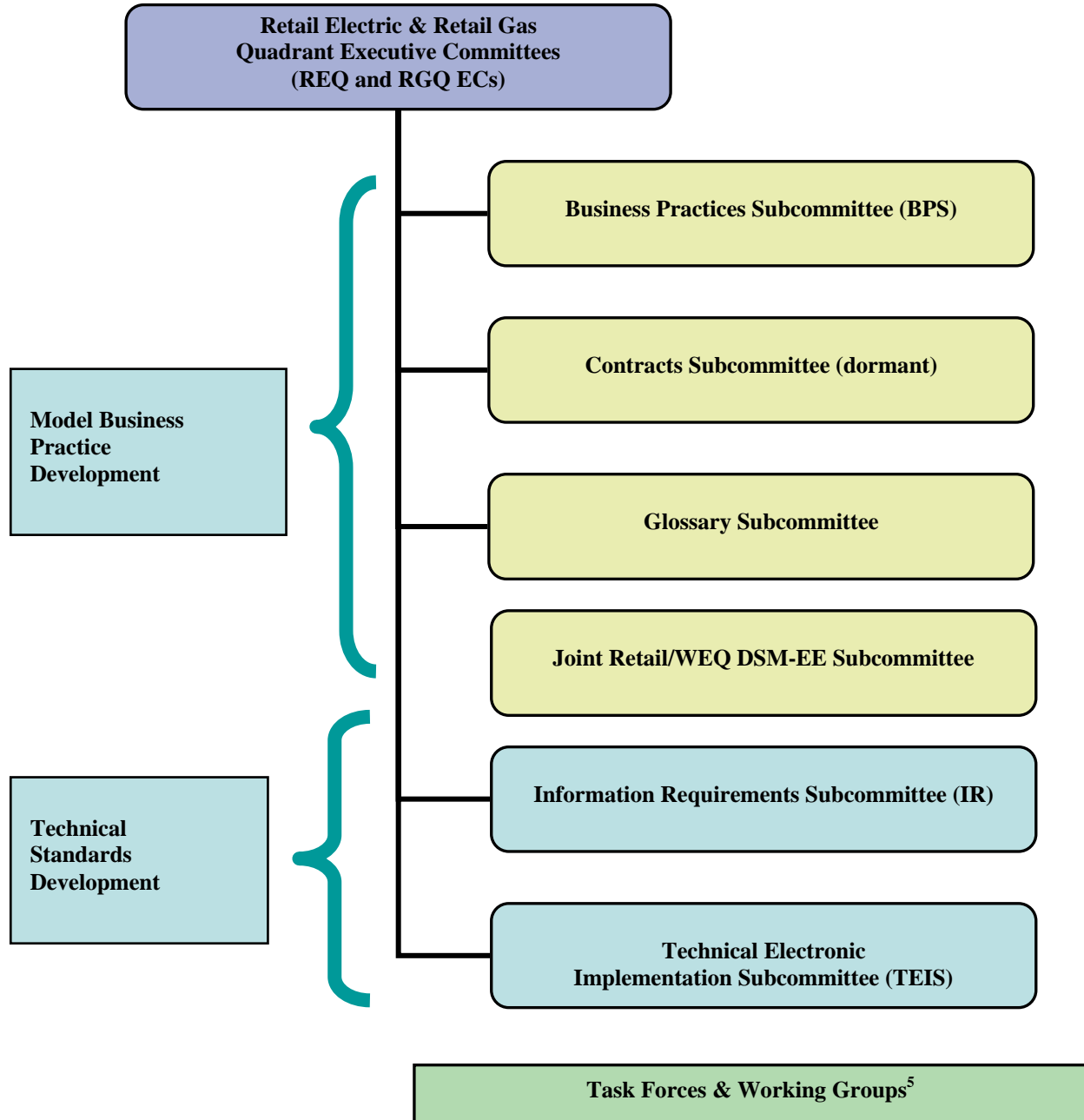
Examine Wholesale Gas Quadrant Non-EDM Standards for applicability to retail business practices.

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



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NAESB Retail Subcommittee Leadership:

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



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

⁴ The REQ and RGQ ECs will assign maintenance efforts on a request by request basis.

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



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Attachment 1: Comments Received on 2007 Plan

1. Gas Design Day Forecast

Submitted by Ralph Cleveland, Senior Vice President | Engineering and Operations, AGL Resources

From: Ralph Cleveland [mailto:rcleve@aglresources.com]

Sent: Tuesday, October 10, 2006 5:13 PM

To: naesb@naesb.org

Subject: Gas Design Day Forecasting Standard

The following are the concepts around which it would be helpful to have an industry standard as to reasonable and acceptable modeling or methodology approach. I'm not sure how a proposal is usually structured, but I wanted to get this to NAESB today. This should be a good start. AGA and SGA have done some work through surveys and conferences to identify industry practice. For regulatory reasons, I think they have avoided attempting to say that there are established "best practices". We have some AGA/SGA survey results, if you would like to see them. If this is not what you were looking for, please let me know.

1. Number of years history considered in arriving at the design temperature (coldest in X years)
2. Acceptable independent variable besides same day temperature used in analysis (prior day temp, wind speed, etc)
3. Reasonable historical load / temperature analysis approach used to forecast future design (regression analysis, average load per HDD on cold days, etc)
4. Approach at removing outlier data from historical data sets
5. Acceptable R², MAPE or other statistical measure or forecast accuracy
6. Method for accessing potential design day forecast error (capacity reserve margin, forecast adder, etc)
7. Methodology to project design period load shape (multiple design days, historic design period temperatures, statistical approach)
8. Assumptions associated with on-system facility derate or pipeline capacity proration on design day.

RESOLUTION 11-15-06: Added to 2007 Annual Plan-- Reach out to SGA and AGA for subject matter experts will be undertaken.

2. Northeast Regional Best Practices

Submitted by Phil Precht, BG&E

Excerpt from "Restructuring Today": A major effort in that direction is a push to stimulate and activate pro-markets members of the legislature at a two day meeting set for Wilmington Oct 24-25 at the Doubletree Hotel. NEMA is behind the move. It's relying on pro-markets members of legislatures in Delaware, Pennsylvania and possibly Connecticut for a leadership round table and regulatory workshop to meet in Wilmington. James Lester of the Delaware PSC is a key speaker along with James Cawley who is the vice chair in Harrisburg. Several state legislators are to speak. Craig Goodman reports that business backers are happy to have marketers coming into Delaware to compete to supply the market. He's invited commissioners and staff from Delaware, Pennsylvania, New York and Connecticut to point out the best practices in the region. One subject of course will be the successes in New York and how to apply those best practices to other states. A major goal is not just copying New York's success but making the progress regional. Goodman thinks that would drive prices in the region down, lower the acquisition costs and bring economies of scale to the marketplace. Day one right now is best practices and day two is how to get there (implementation).

RESOLUTION 11-15-06: Not added to 2007 Annual Plan at this time – outreach to Craig Goodman first for feasibility.



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3. Demand Side Response

Submitted by George Behr, Energy Services Group

PJM is discussing demand side response and metering. They have a 'curtailment service provider' program that might benefit from NAESB standards. There are both wholesale and retail implications.

RESOLUTION 11-15-06: Combined with item 4 below.

4. Standardized Method for Quantifying Benefits, Savings, Cost Avoidance and/or the Reduction in Energy Demand Derived From the Implementation of Demand Side Management and Energy Efficiency Programs

Submitted by Carl Wilkins, Advanced Energy

LETTER:

Dear Ms. McQuade: Attached is a request for initiation of a NAESB business practice standard as described in your September 11, 2006, memo. We were advised by one of your board members, Mr. David Koogler with Dominion Power, to submit a request. Mr. Koogler was present when we gave our annual report to the N.C. Utilities Commission. He took note that we were challenged by one of the Commissioners to quantify more of the benefits that North Carolina and other states were enjoying as result of the work we do with energy utilization and market transformation. Advanced Energy is an independent non-profit that was chartered by the N.C. Utilities Commission in 1980 to work with electric utilities, in part, to develop and demand side management (DSM) and energy efficiency (EE) programs. Since 1980 Advanced Energy has been doing public benefits work to enhance how North Carolina businesses and individuals use energy. Recently we have been asked to assess the statewide potential for DSM and EE. It has been some time since these subjects have been discussed in regulatory and public settings, especially as it pertains to the need for future electricity generation. We have a long-standing relationship with utilities and appreciate their support and collaboration on many issues affecting energy utilization in our state. The Public Staff of the N.C. Utilities Commission is an ally and recently recommended that we advise the N.C. Utilities Commission as to how we would manage a statewide Public Benefits Fund specifically for DSM and EE. Other than the west coast, the northeast or selected mid-western states, the body of knowledge about DSM and EE has grown stale. Furthermore, a lot has changed with respect to the way homes and business and industry use energy since DSM and EE were in vogue in the 80s and early 90s. Many states and other jurisdictions lack the expertise and experience to evaluate and plan new programs. We heard that NAESB has an excellent reputation in the development of standards and felt that this area might be an area that fit NAESB's mission. Please contact me with any questions regarding our attached request. Sincerely, Carl L. Wilkins, P.E., Director, Utility Services

REQUEST:

Efforts are underway throughout the electricity industry to develop and implement demand side management measures and techniques in order to moderate the growth for electricity. However, a standardized method for quantifying the energy and demand impact of implementing proposed demand side management techniques does not exist. Entities involved in these activities are using a wide variety of methods to estimate the benefits of these programs. As various utilities across the nation look at implementing DSM and EE measures, it is evident that results may vary depending on many factors that are localized and at the discretion of the evaluating entity. On the other hand there are fairly standardized techniques for evaluating and presenting the benefits and costs for a supply side option. As regulatory commissions investigate utility integrated resource plans, the development and presentation of the DSM and EE options are vigorously challenged by interveners as being incomplete, inconsistent and not treated as fairly as supply side options. Furthermore, utilities recognize the uncertainty of some proposed demand side options because they lack standardized quantitative justification which may address issues such as program persistence and other variables out of the DSM/EE program's control. DSM and EE programs often fail to pass cost effectiveness tests (RIM, UTC, PCT, etc.) because the benefit/cost data that is presented may be inaccurate or based on poor assumptions. Having a standardized method that is both recognized and understood by utilities, regulatory agencies, program administrators, consumer advocates and energy service professionals is vital. For example, the amount of energy reduction for a DSM measure in a small building can be simulated by a computer model, obtained by actual load research, using results from another similar program or estimated by engineering calculations. The benefits, costs and energy impacts from either of



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Attachment 1: Comments Received on 2007 Plan

the aforementioned techniques can vary widely.

The proposed standard will be used by regulatory agencies, utilities, program administrators and any entity that are involved with quantifying impacts of a DSM or energy efficiency program. This standard may become an important part of a utility's integrated resource planning process. As more electric utilities announce new base-load generation additions to their long-term resource plans, the opportunity for this proposed standard to be use becomes more evident.

Having a standardized process will prove beneficial to all stakeholders. The amount of time and resources expended in today's IRP hearings should be less if all parties adopt and use a standardized process and procedure for determining energy impacts of DSM and energy efficiency. The number of interveners and the amount of interrogatories should diminish once an accepted standard is made known to all. Future hearings should be less contentious, which will be appreciated by all parties. This standard if developed and adopted will lower the regulatory cost of implementation.

RESOLUTION 11-15-06: Combined with item 4 below. Item 3 is underway now in PJM and is both a retail and wholesale electric issue.

5. Participation

Submitted by Shay Reed, CostCo

Afternoon,

I recently attended the EEI conference national accounts meeting in Florida, and we were told that October 11th, 2006 is the deadline to be included for comments on several standards issues. After reading the memo I received, it appears that this is the comment deadline rather than inclusion in the comment group? Can you please confirm the requirements for inclusion in regards to NAESB standards? We would like to be involved, and hope we are not too late. Thank you for the information.

Shay Reed -

Thank you for your interest in NAESB standards development. If you would like to submit comments, please send them to NAESB (naesb@naesb.org) by the end of this week. Please let me know if you need any additional information. Best regards, Veronica Thomason

Submitted by: Denis George, Kroger

While I only saw this today and do not have time to submit substantive comments at this time, as a general matter The Kroger Co. - one of the largest grocery supermarket chains in the US (www.kroger.com) - would be happy to comment upon and participate in any initiative that would help bring uniform standards for retail EDI/XML transactions for both gas & electric utilities. Please feel free to direct further correspondence on this matter to me directly.

RESOLUTION 11-15-06: Combined with item 6 below.

6. Electronic Billing

Submitted by Suzanne Figy, Director, Operations - Data Services, Advantage IQ, Inc.

Hi Veronica, My name is Suzanne Figy and I am the Director of Operations - Data Services for Advantage IQ. Advantage IQ currently manages more than \$9.3 billion in facility bills for more than 375 clients. We currently process and pay more than 500,000 bills/month supporting over 190,000 sites. Advantage IQ maintains a solid relationship with more than 16,000 utilities nationwide. Currently, we receive 21% of our incoming utility bills via EDI. We are of great interest in having NAESB develop some standards in the areas outlined in the annual plan. Given the volumes of electronic bills we are currently managing I would like to request that we be included in the planning discussions. I would like to ask that you add myself as our representative. We have a great amount of excitement around these initiatives and feel we can be a great asset to the discussions. Please contact me if you need any additional information or have any further questions. Thank you, Suzanne Figy

Ms. Figy, Thank you for contacting our office with your request. We will be happy to add your request to the list of NAESB Retail Annual Plan topics for discussion. Best regards, Denise Rager



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RESOLUTION 11-15-06: Combined with item 5 above. EDI transactions for electronic billing between utilities and national accounts customers is on the 2007 annual plan now and the business practices have already been developed. XML transactions are not on the 2007 plan. If Kroger and CostCo are interested in pursuing XML, we would need to identify both the sponsors/champions for this development and also the subject matter experts that would participate in XML development. NAESB office will pursue determining if the interest level is high enough to warrant a conference call with applicable parties.

7. Customer Interval Data

Under consideration by the Massachusetts EBT

Draft Letter Prepared on 9/12/06 RE: Customer Interval Data

Dear Ms. Cottrell:

We, the undersigned competitive suppliers, third party providers and brokers, hereby request that the Department review a proposed change in the current practice regarding the authorization requirement for provision of customer interval metered usage data ("interval data") to suppliers. The proposed change would simplify the practice, reduce costs, and allow for improved data security by making suppliers responsible for maintaining customer authorizations and thereby paving the way ultimately for interval data to be requested and provided using standard electronic business transactions.. The proposal has been discussed by the Massachusetts Electronic Business Transactions ("EBT") Working Group, and the EBT has been authorized by the EBT electric distribution company members (EDCs) to represent their lack of objection to the change, provided it is acceptable to the Department.

Background: Increases in competitive market efficiency have revealed the existence of a bottleneck in the day-to-day operation of Massachusetts' deregulated electricity supply marketplace in regards to the provision of interval data. The unnecessarily labor intensive nature of requesting and receiving interval data for both prospective and existing customers, acts as a hindrance to the ability of suppliers to offer accurately derived and timely priced innovative competitive supply products to commercial and industrial customers. The process for provision of interval data to suppliers is governed by the EDCs' interval data tariffs as approved by the MDTE. Those tariffs provide that interval data will be made available to the customer or the customer's "authorized agent." However, the tariffs do not specify how that authorization is to be demonstrated. See, e.g., Massachusetts Electric Company, Optional Interval Data Service, M.D.T.E. No. 1034; Boston Edison Company, Optional Interval Data Service, M.D.T.E. No. 151. The Department's order approving those tariffs is similarly silent on the question of how the authorization is to be demonstrated. Metering and Billing Services, D.T.E. 01-28 (Phase I) (May 18, 2001).

Current Practice: Regardless of the lack of an explicit written statement from the Department that delineates what constitutes authorization, it has been the interpretation of the supplier and EDC communities that the supplier would demonstrate authorization by providing a copy of a signed authorization to the EDC with any interval data request. This is the current procedure; an authorization form must be manually issued to the EDC and the EDC, in turn, must file and manage this paperwork in-house, prior to releasing customer data. This is the perceived requirement and current practice whether the customer is a prospect requesting pricing, or already a fully enrolled customer of the supplier submitting the request. Over time, this practice but has proven to be unnecessarily cumbersome for customers and suppliers, as well as for EDCs. For customers the most obvious impact is a delay in pricing from prospective suppliers in a market where even a day can make a material difference in pricing.

Proposed Practice: We propose changing the current practice by removing the requirement that the customer authorization be provided to the utility. Instead we suggest that suppliers be held responsible for obtaining, holding and maintaining the appropriate customer authorization for any requests they make. With such a change, the supplier would still obtain a written authorization from the customer, either in the form of a stand alone consent form or a supply contract with an authorization provision. Further, we would propose that suppliers be required to maintain a scanned version of the written authorization on file at the suppliers' premises for the full length of the customer contract or 24 months, whichever is longer, and that such authorizations would be subject to audit by the Department. We also note that when the Supplier is requesting the interval data, it is assumed that they are paying the fee and will be billed accordingly from the utility. Under this proposal, the utility would then be released of the responsibility to obtain the authorization form and the cost of the request and would be liberated to honor the request for interval data without reference to paper files. Suppliers have indicated a willingness to go one step further and incorporate an authorization



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Attachment 1: Comments Received on 2007 Plan

provision into their customer contracts, should the Department accept this change in practice. In addition to saving time and manual effort, this step would pave the way for full EDI access to interval data in 2008, which is when the EDCs have indicated their systems would be ready to accept these requests electronically like other electronic business transactions sent via EDI. EDI works on a prescribed set of electronic communications between suppliers and distribution companies, and does not include a mechanism for the exchange of documents as part of that data transfer. The proposed change in procedure for authorizations would remove an important barrier to being able to request and receive interval data using the same standard vehicle used for all other utility/supplier data exchanges. In the EDI scenario, the supplier would submit an interval data request to the utility via EDI using the customer's account number as identifier and would represent that it has obtained the necessary customer authorization and is maintaining it on file. The utility would be free to rely on that representation, knowing that that supplier is subject to audit on any authorization by the DTE. This is exactly how EDI transactions work in other contexts, for example, customer enrollments. The supplier is required to obtain a written (or verified telephonic) authorization to enroll the customer, but is not required to file evidence of that authorization with the utility prior to enrollment acceptance, except upon request for audit. Instead, the supplier simply submits an "enroll customer" request using the customer's account number via EDI and the utility accepts that request as the supplier's representation that it has obtained the necessary authorization. The proposed change in practice for interval data requests would simply bring that practice in line with the procedure for customer enrollments and other supplier/utility transactions in Massachusetts, as well as with interval data practice in other regions of the country. The Massachusetts EBT members (both EDCs and suppliers) concur that this course of action is a win-win solution for everyone including the customer. Provision of interval data would take place seamlessly without a need to wait for manual intervention and would mirror the same procedure we currently follow for all historic usage data requests. We propose that this change in procedure apply to both historic interval data requests made for pricing prospective customers, as well as for monthly recurring interval reads used for forecasting and billing of a supplier's actively enrolled customers. The former would allow prospective customer's access to more timely pricing and product options in the marketplace, critical to making prudent business decisions in an ever-changing supply environment. The latter is necessary for timely billing of any non-fixed price product and is consistent with EPACT 2005's move toward providing customers with price sensitivity – more and more common in today's market.

Benefits of the Change in Practice: The Department has recognized, "historical interval load data are essential to the development of a strong competitive electric generation marketplace." Metering and Billing Services, D.T.E. 01-28 (Phase I) at 14. The availability of interval data improves the accuracy of forecasting and pricing. It also enables the development of innovative products and services for customers, critical to maturation of the competitive marketplace. The proposed change would greatly increase the efficiency of obtaining and receiving interval data and thus increase its availability for not only the EDC and suppliers, but more importantly, for customers. Therefore, we request that the Department review the proposed change in practice to allow suppliers to be the holder of record for customer interval data authorizations, whether they be within the customer's supply contract or in a separate authorization form.

We respectfully request the Department's expedited review of this proposed change in practice and thank you and the Department for your consideration. Sincerely, Constellation NewEnergy, ConEdison Solutions, Direct Energy, Dominion Energy Services Group, Gestalt LLC, Hess, PPL Solutions, Select Energy, TransCanada

RESOLUTION 11-15-06: The interval data is already in the model business practices for pre-enrollment activity. The standards do not specifically require that the utility maintain the information. For the EDI transactions, the 2007 plan already includes the development of EDI transactions. If MA EBT is interested in pursuing standard EDI transactions through NAESB, we would ask that the leaders of the group participate in the NAESB TEIS and EDM subcommittees to further their expectations. NAESB office will pursue determining if the interest level is high enough to warrant a conference call with applicable parties.



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Attachment 2: Potential Standards Development Efforts for 2007 and subsequent Retail Annual Plans

Projects that have been discussed but are not reflected on the 2007 plan nor have had requests prepared and submitted to NAESB are:

- Contracts: development of additional retail contracts and addenda that support the base contract already under development
- Customer Choice Activities
- Distributed Generation
- Energy Renewal and Green Energy Programs
- Interruption and Curtailment Procedures
- Load Profiling – gas and electric requirements
- Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).
- Low Income Strategies
- Model Business Practices between utilities and suppliers in day to day transactions with RTOs (joint initiative with the WEQ)
- Net Metering
- Renewables/Renewable Portfolio Standards – work with the wholesale quadrant on nationally traded renewable energy credit
- Distribution Company/Supplier communications of gas supply requirements
- Model Business Practices for communications between suppliers and customers

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 10

BOARD BUSINESS

MEMBERSHIP AND FINANCIAL REPORTS

This section includes:

- Membership Report and Statistics
- Financial Reports YTD for 2007

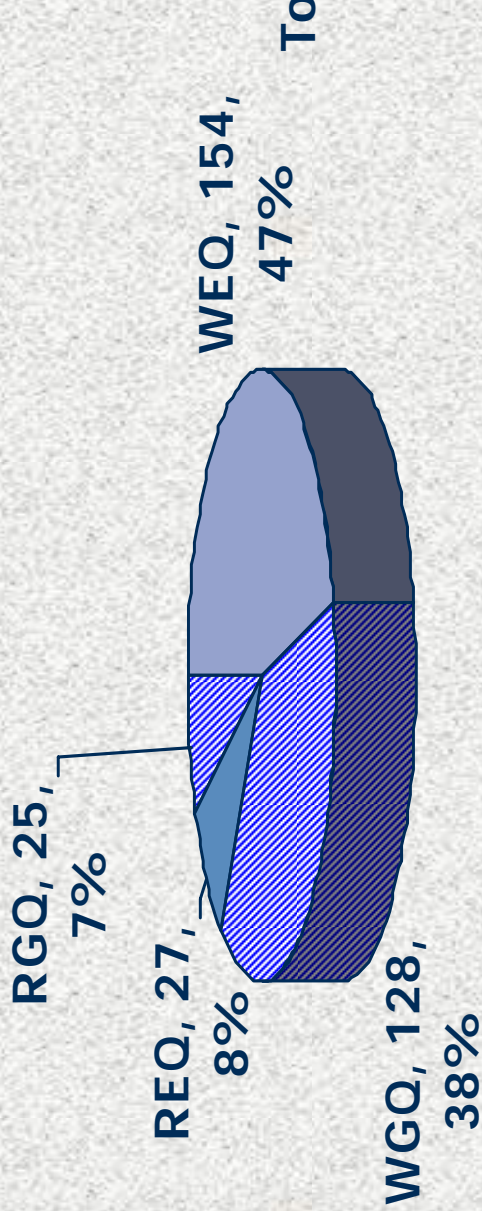
The material presented is background information for the discussion of agenda item 5.

For the membership report and the financial reports, the material presented is for informational and discussion purposes with the no voting action expected of the board.

North American Energy Standards Board 06/06/07

Membership Profile

June 6, 2007



Total Membership

334

Quadrant Statistics	WEO	WGO	REQ	RGQ	Total
Membership YE 2006	141	124	26	25	316
Net Change	+13	+4	+1	0	+18
Change in Quadrant	0	0	0	0	0
Membership YTD	154	128	27	25	334

North American Energy Standards Board Membership List
As of June 6, 2007

NAESB Membership Statistics – Changes by Quadrant for 2007 as of June 6, 2007

NAESB Membership Report - Quadrant/Segment Membership Analysis		Number of Members
WGQ Segments	TOTAL	128
	End Users	17
	Distributors	26
	Pipelines	42
	Producers	12
	Services	31
REQ Segments	TOTAL	27
	End Users	4
	Distributors	13
	Services	6
	Suppliers	4
RGQ Segments	TOTAL	25
	End Users	3
	Distributors	10
	Services	6
	Suppliers	6
WEQ Segments	TOTAL	154
	End Users	10
	Distributors	24
	Transmission	46
	Generation	30
	Marketers	33
	None Specified	1
	Independent Grid Operators/Planners	10

North American Energy Standards Board Membership List
As of June 6, 2007

WEQ	New Members:	15
	<i>Lincoln Electric System; New York Independent System Operator, Inc. (NYISO); TransServ International, Inc.; California ISO, Alberta Electric System Operator, Independent Electricity System Operator (IESO), ISO New England, Inc., PJM Interconnection, Portland General Electric, Public Service Company of New Mexico, APS Marketing and Trading, National Grid, Tucson Electric Power Company, Northwestern Corporation, Tampa Electric Company</i>	
	Member Resignations:	2
	<i>Trans-Elect, Inc., Platte River Power Authority</i>	
WGQ	New Members:	8
	<i>ANR Pipeline Company, Colorado Springs Utilities, Nexen Marketing; Houston Pipe Line Company, LP, Virginia Power Energy Marketing, Inc.; Transwestern Pipeline Company, Reliance Gas Transportation Infrastructure Limited, SolArc, Inc.</i>	
	Member Resignations:	4
	<i>Burlington Resources, Arizona Public Service Company, Trinity Apex Solutions, Inc., American Electric Power Service</i>	
REQ	New Members:	1
	<i>ista North America</i>	
	Member Resignations:	0
RGQ	New Members:	1
	<i>Allegro Development</i>	
	Member Resignations:	1
	<i>Peoples Gas System</i>	
TOTAL	New Members	25
	Member Resignations:	7

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant		Organization	Segment	Contact	Sub-Segment
Retail Electric Quadrant:	1	Alabama Power	d	Judy W. Ray	
	2	Ameren Services Company	d	Patrick Eynon	
	3	Baltimore Gas & Electric Co.	d	Ruth Kiselewich	
	4	Consolidated Edison Company of NY	d	Hollis Krieger	
	5	Constellation NewEnergy, Inc.	d	Sara O'Neill, Peter Kelly-Detwiler, Jansen Pollock	
	6	Direct Energy Business Services	su	David Booty	
	7	Dominion Retail	su	William Barkas, Richard Zelenko	
	8	Dominion Virginia Power	d	David F. Koogler, Mary Edwards	
	9	Duke Energy Corp	d	Dan Jones	
	10	EC Power International	s	Judy Bailey, J. Cade Burks, Jennifer Teel	
	11	Electric Reliability Council of Texas (ERCOT)	s	Sam R. Jones, Ray Giuliani, Susan Munson	
	12	Exelon Energy Delivery	d	Toni Garza	
	13	Gulf Power Company	d	J. Thomas Kilgore	
	14	Integrays Energy Services, Inc.	d	Dennis Derricks, Les Nishida, Ken Thiry	
	15	Ista North American	s	Charles Porter	
	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	Wilson Gonzalez	
	20	Oncor	d	Larry Williford, Debbie McKeever	
	21	Pennsylvania Office Of Consumer Advocate	e	Tanya J. McCloskey, Sonny A. Popowsky	
	22	PPL Solutions, LLC	s	James M. Minneman	
	23	Public Service Electric & Gas	d	Terrence Moran	
	24	Southern Company Services	s	Mark S. Jarrett	
	25	Structure Group	s	Stacey Wood	
	26	TXU Energy Retail	su	Felecia Lokey	
	27	Wal-Mart Stores, Inc.	e	Angela Beehler	

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant		Organization	Segment	Contact	Sub-Segment
Wholesale Gas Quadrant:	1	8760	s	Jim Buccigross	
	2	Alliance Pipeline LP	pl	Neil Coghlan	
	3	Ameren Corporation	l	Scott Glaeser	
	4	American Public Gas Association	l	Alonzo Weaver	
	5	Anadarko Energy Services Company	s	John Bretz	
	6	ANR Pipeline Company	s	Sandy Meyers	
	7	Apache Corporation	pr	Kelley Powell	
	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 Energy Merchants, 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	Calpine Energy Services, LP	e	Shonnie Daniel, Craig Chancellor	
	17	Cargill Incorporated	s	Kathy Gerken	
	18	Carolina Gas Transmission Corporation	pl	Ryan Leahy	
	19	Cascade Natural Gas Corporation	l	Mark Sellers-Vaughn	
	20	CenterPoint Energy Gas Resources Corp.	s	James G. Beste, Laurie A. Rutherford	
	21	CenterPoint Energy Gas Transmission Company	pl	Larry Thomas	
	22	CenterPoint Energy Mississippi River Transmission Corporation	pl	Robert Trost	
	23	Chandeleur Pipe Line Company	pl	Janice E. Rogers	
	24	Cheniere LNG Marketing, Inc.	s	Mark Stubbe, Tammy Miller	
	25	Chevron Natural Gas	pr	Charles (Chuck) Cook	
	26	Cimarex Energy Co.	pr	Charlotte Baker	
	27	Citigroup Energy Inc.	s	Carrie Southard, Angela Davis	
	28	Colorado Springs Utilities	l	Joe M. Holmes	
	29	Columbia Gas Transmission	pl	Carl Levander	
	30	Comprehensive Energy Services	e	Jim Templeton	

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
31	ConocoPhillips Gas and Power	pr	Peter Frost	
32	Consolidated Edison Company of NY	l	Scott Butler, Paul Olmsted	
33	Constellation Commodities Group Inc.	s	Lisa Simpkins	
34	Coral Energy Resources, LP	s	Eric Gillaspie	
35	Dauphin Island Gathering Partners	pl	Katie Rice	
36	Defense Energy Support Center	e	Veronica Jones, Kevin Ahern	
37	Department of Energy	e	Christopher Freitas	
38	Dominion Exploration and Production, Inc.	pr	David Ogden, Gary Weaver, Sheri Heslington	
39	Dominion Resources	l	Craig Columbo	
40	Dominion Transmission, Inc.	pl	Gary Sypolt, Iris King	
41	DTE Energy Trading, Inc.	s	Miki Kolobara	
42	El Paso Natural Gas	pl	William Griffith	
43	El Paso Exploration & Production Company	pr	Susan Lum	
44	Enbridge Energy Company, Inc.	pl	Terry McGill	
45	EnCana Marketing (USA) Inc.	s	Keith Sappenfield	
46	EnCana Corporation	pr	Keith Sappenfield	
47	Energy East Management Corporation	l	Marjorie Perlman	
48	Entergy Services, Inc.	e	Laura Berryman, Terry Shields	
49	Enterprise Products Partners L.P.	pl	Richard W. Porter	
50	Equitable Gas Company	l	Steve Rafferty	
51	Equitrans, L.P.	pl	Dave Dewey	
52	ExxonMobil Gas Marketing	pr	Richard Smith	
53	Florida Power & Light Company	e	Dona Gussow	
54	Florida Reliability Coordinating Council	e	Ken Wiley	
55	FPL Energy Power Marketing, Inc.	e	Michael Jessop	
56	Gas Transmission Northwest Corp.	pl	Jay Story	
57	Great Lakes Gas Transmission	pl	Gene Fava	
58	Group 8760	S	Jim Buccigross	
59	Gulf South Pipeline	pl	Randy Young	
60	Hess Corporation	s	Rebecca Batchelder	
61	Houston Pipe Line Company LP	pl	Josie Castrejana	
62	H S Resources Inc.	pl	Carol Hall	
63	Imperial Irrigation District	e	William Rapp	
64	Integrays Energy Services, Inc.	l	Ronald G. Mosnik	

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
65	Iroquois Gas Transmission System	pl	Tom Gwilliam	
66	J.P. Morgan Ventures Energy Corp.	s	Ike Gibbs	
67	Kern River Gas Transmission Company	pl	Brenda Horton	
68	Key Span Energy	l	Dolores Chezar	
69	Laclede Gas Co.	l	Kenneth Neises	
70	Latitude Technologies	s	Leigh Spangler	
71	Lehman Brothers Commodity Services Inc.	s	David Perlman	
72	Louis Dreyfus Energy Services	s	Mary Ellen Bell, Ruby H.Melton	
73	Lower Colorado River Authority	e	Mickey Bell	
74	Macquarie Cook Energy, LLC	s	Angela Jones	
75	Marathon Oil Company	pr	Robin Perrine	
76	Mewbourne Oil Company	pr	Michael F. Shepard	
77	Mirant Energy Trading, LLC	e	Laura Trautman, John F. Hogan	
78	National Fuel Gas Distribution	l	Michael Novak	
79	National Fuel Gas Supply Corp.	pl	Joseph Kardas	
80	National Grid USA	l	Bruce Garcy	
81	Natural Gas Pipeline Co of America	pl	Paul Love	
82	New Jersey Natural Gas Company	l	Douglas C. Rudd	
83	Nexen Marketing	s	Shelley Leavitt	
84	NiSource Inc.	l	George Simmons	
85	Northern Natural Gas	pl	Mary Darveaux	
86	Northwest Natural Gas Company	l	Randolph Friedman	
87	NOVA Gas Transmission Ltd.	pl	Doug Miller	
88	Occidental Energy Marketing Inc. (OEMI)	pr	Andy Wu	
89	ONEOK	l	Patricia Anderson	
90	ONEOK Partners GP, LLC	pl	Teri Tingler	
91	Pacific Gas & Electric	l	John Breen	
92	Panhandle Eastern Pipe Line	pl	William Grygar, Kim Van Pelt	
93	PECO Energy Co.	l	Reed R. Horting, Amy Hamilton	
94	Pemex Gas Y Petroquimica Basica	s	Juan Enrique Gonzalez Azuara	
95	Peoples Gas Light & Coke Co.	l	Tom Zack	
96	Platts	s	Bill Murphy	

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
97	Portland Natural Gas Transmission System	pl	David Haag	
98	PPL EnergyPlus, LLC	e	Anne Lovett	
99	Public Service Electric & Gas	l	David Wohlfarth	
100	Questar Pipeline Co.	pl	Scott Hansen	
101	Quorum Business Solutions Inc.	s	Mark Davis	
102	Reliance Gas Transportation Infrastructure Limited	pl	Jagjit Yadav	
103	Sabine Pipe Line LLC	pl	Jan Rogers	
104	Salt River Project Agricultural Improvement & Power District	e	Diane McVicker	
105	Sempra Energy - Southern California Gas Co.	l	Lee Stewart, Rodger Schwecke	
106	Sequent Energy Management, L.P.	s	Pat Metteauer	
107	SolArc, Inc.	s	Chuck McClure	
108	Southern California Edison Company	e	Roman Bakke	
109	Southern Company Services, Inc.	e	Alan Kilpatrick	
110	Southern Natural Gas Co.	pl	Renee Hyde, Tracey Nicholson	
111	Southern Star Central Gas Pipeline	pl	James L. Harder, Dale Sanders	
112	Southwest Gas Corporation	l	Larry Black	
113	Spectra Energy Transmission	pl	Richard Kruse	
114	SunGard	s	Lucia Nail	
115	Tennessee Gas Pipeline Company	pl	Sue Barry, Mark Gracey	
116	Tennessee Valley Authority	e	Valerie Crockett	
117	Texas Gas Transmission, LLC	pl	Mitch Whitehead	
118	Tiger Natural Gas	s	Tracy Phillips	
119	TransCanada Pipelines	pl	Doug Miller	
120	Transwestern Pipeline Company, LOC	pl	Blair V. Lichtenwalter, Mary Draemer, David Mendoza	
121	UBS Energy LLC	s	Suzanne Calcagno	
122	Vector Pipeline L.P.	pl	Amy Bruhn	
123	Vega Energy Partners, Ltd.	s	Lori Leeder	
124	Virginia Power Energy Marketing, Inc.	s	Dennis R. Lane	
125	Washington Gas Light Co.	l	Adrian Chapman, Ken Yagelski	
126	Westfield Gas & Electric Light Dept.	l	Joyce Bodak	
127	Williams Gas Pipeline	pl	Dale Davis	
128	Williston Basin Interstate Pipeline	pl	Keith Tiggelaar	

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant		Organization	Segment	Contact	Sub-Segment
Wholesale Electric Quadrant:	1	ACES Power Marketing LLC	m	Roy J. True	muni
	2	Alabama Electric Cooperative, Inc.	d	William Ronald Graham	muni
	3	Alberta Electric System Operator	i	Diana Pommen	
	4	Allegheny Energy, Inc.	t	Terri Grabiak	iou
	5	Ameren Services	m	Shawn Schukar	iou
	6	American Electric Power Service Corp.	m	Barbara Radous, Joseph Hartsoe, Phil Cox	iou
	7	American Municipal Power - Ohio, Inc.	d	Mack Thompson, Chris Norton	muni
	8	American Public Power Association	d	Allen Mosher	muni
	9	American Transmission Company LLC	t	Julie Voeck	itc
	10	APS Marketing and Trading	m	Steve Norris	iou
	11	Arizona Public Service Company	t	Mark W. Hackney	iou
	12	Basin Electric Power Cooperative	t	Dan Klempel	muni
	13	Basin Electric Power Cooperative	m	David Raatz	nd
	14	Basin Electric Power Cooperative	g	Jason Doerr	muni
	15	Bonneville Power Administration	d	Sydney D. Berwager	other
	16	Bonneville Power Administration	g	Francis Halpin	fed
	17	Bonneville Power Administration	m	Brenda Anderson	fed
	18	Bonneville Power Administration	t	Barbara Rehman	fed
	19	BP America Inc.	e	Jeanne Zaiontz	lind
	20	California Department of Water Resources	g	William (Bill) Forsythe	fed
	21	California ISO	i	Yakout Mansour	
	22	Central Electric Power Cooperative	d	Arthur Fusco	muni
	23	ChevronTexaco Energy Research and Technology	e	Carol Guthrie	sgen
	24	Cleco Power, LLC	t	Cindy Guillot	iou
	25	Comprehensive Energy Services	e	Jim Templeton	enduse
	26	Conectiv Energy Supply, Inc.	g	Gloria Ogenyi	merc
	27	Conectiv Energy Supply, Inc.	m	Gloria Ogenyi	iou
	28	Consolidated Edison Company of New York, Inc.	t	Scott Butler	iou
	29	Constellation Generation Group	g	Michael Gildea	merc

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
30	Consumers Energy Company	d	Andrew C. Dotterweich, Frank Johnson	iou
31	Coral Power, LLC	m	Robert Reilley, Paul Kerr	niou
32	Dairyland Power Cooperative	t	Chuck Callies	muni
33	Department of the Interior, Bureau of Reclamation	g	Dr. Karl Wunderlich	fed
34	Deseret Power Electric Co-op	g	Curt Winterfeld	muni
35	Dominion Energy Marketing, Inc.	g	Lou Oberski, Jalal Babik	iou
36	Duke Energy Americas, LLC (DEA)	g	Walt Yeager	iou
37	Duke Energy Corp.	d	Alan Pritchard	iou
38	Dynegy Power Marketing, Inc.	g	Barry Huddleston	merc
39	Edison Electric Institute	n	David Owens, Dave Dworzak, James P. Fama	N
40	Edison Mission Marketing & Trading, Inc.	g	William Roberts	merc
41	Electric Power Supply Association	m	Mark Bennett	at larg
42	Electric Reliability Council of Texas (ERCOT)	i	Sam R. Jones, Ray Giuliani, Bill Blevins	
43	ElectriCities of North Carolina (North Carolina Eastern Municipal Power Agency)	g	Gregory Locke	muni
44	Electricity Consumers Resource Council (ELCON)	e	John Anderson, John Hughes	lind
45	Empire District Electric Company, The	t	Bary K. Warren	iou
46	Energy East Management Corporation	t	Marjorie Perlman	iou
47	Entergy Services, Inc.	t	Edward J. Davis, Narinder Saini	iou
48	Exelon Corporation - PECO Energy	d	John McCawley	iou
49	Exelon Generation - Power Team	m	Jack Crowley	iou
50	ExxonMobil Gas Marketing	e	Mark Schanzer	sgen
51	First Energy Service Company	d	Robert M. Martinko, Thomas C. Burgess	iou
52	FirstEnergy Solutions Corp.	m	Edward C. Stein	iou
53	Florida Municipal Power Agency	g	Robert C. Williams	muni
54	Florida Municipal Power Agency	d	Steven H. McElhaney	muni
55	Florida Power & Light Company	m	Gerry Yupp, Raleigh Nobles	iou
56	Florida Power & Light Company	t	Marty Mennes	iou
57	Florida Reliability Coordinating Council	t	Linda D. Campbell	at large
58	Georgia Transmission Corporation	t	Patrick McGovern	muni

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
59	Hydro One Networks	t	Mark Graham	itc
60	Hydro – Quebec Transenergie	t	Victor Bissonnette	fed
61	Idaho Power Company	t	Tessia Park	iou
62	Imperial Irrigation District	m	Kim M. Kiener, Frank M. Barbera	muni
63	Imperial Irrigation District	t	Juan Carlos Sandoval, Javier Esparza	muni
64	Independent Electricity System Operator (IESO)	i	Ron Falsetti, David Short	
65	Indiana Municipal Power Agency	g	Dick Foltz	muni
66	Integrays Energy Services, Inc.	g	William Bourbonnais, Charles W. Severance, Neal Balu	iou
67	ISO New England, Inc.	i	Matthew F. Goldberg	
68	Lincoln Electric System	g	Douglas Bantam	muni
69	Maryland Peoples Counsel	e	Seva Diakoparaskevas	
70	Michigan Electric Transmission Company LLC	t	Charles V. Waits	itc
71	Michigan Public Power Agency	d	James R. Nickel, Daniel E. Cooper	muni
72	MidAmerican Energy Company	m	Norman B. Stratton	iou
73	Midwest Independent Transmission System Operator	i	William (Bill) Phillips, Ed Skiba	
74	Midwest Reliability Organization	t	Shel Berg	at large
75	Missouri River Energy Services	d	Brian Zavesky	muni
76	Modesto Irrigation District	t	Roger Van Hoy	muni
77	National Association of Regulatory Utility Commissioners	e	Lou Ann Westerfield	reg
78	National Grid	t	Edward M. Kremzier	iou
79	National Rural Electric Cooperative Assoc.	d	Barry Lawson	muni/coop
80	Navigant Consulting, Inc.	m	Richard G. Smead	at large
81	New York Independent System Operator (NYISO)	i	Mark S. Lynch, Michael Calimano	
82	New York State Dept. of Public Service	e	William Heinrich	reg
83	New York State Reliability Council	d	P. Donald Raymond	at large
84	North American Electric Reliability Corporation	d	Donald M. Benjamin, Larry Kezele, Tom Vandervort	at large
85	North Carolina Electric Membership Corporation	d	David Beam	muni
86	North Carolina Electric Municipal Power Agency #1	m	Clay A. Norris	muni

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
87	North Carolina Electric Municipal Power Agency #1	d	Matt Schull	muni
88	Northeast Utilities Service Company	t	David Boguslawski, Calvin A. Bowie	iou
89	Northwestern Corporation	t	Mike Cashell	iou
90	Ohio Consumers' Counsel	e	Wilson Gonzalez	comres
91	Oncor	t	Ellis Rankin, Deborah McKeever	iou
92	Ontario Power Generation	g	Barry Green	merc
93	Ontario Power Generation	m	Renzo Marcuzzi	niou
94	Open Access Technology International, Inc.	e	Michehl Gent	at large
95	Open Access Technology International, Inc.	t	Paul R. Sorenson	at large
96	Otter Tail Power Company	t	Daryl Hanson, Larry Larson	iou
97	PacifiCorp	m	Edison G. Elizeh, John Apperson	iou
98	PacifiCorp	g	Greg Maxfield	iou
99	PacifiCorp	t	Brian Weber	iou
100	PHI Power Delivery	t	Ken Gates	iou
101	PJM Interconnection	i	Alicia Daugherty	
102	Portland General Electric	m	Terri Peschka	iou
103	Portland General Electric	t	Frank Afranji	iou
104	Powerex Corp	m	Michael L McWilliams, Sharole Tylor	fed
105	PPL Electric Utilities Corporation	t	Ray Mammarella	iou
106	Progress Energy (Regulated)	m	James Eckelkamp	iou
107	Progress Energy	t	Nina M. McLaurin, Phillip W.Lewis	iou
108	PSEG Power LLC	g	Thomas M. Piascik	merc
109	PSEG Energy Resources and Trade LLC	m	James D. Hebson	iou
110	Public Service Company of New Mexico	m	Mark T. Klein	iou
111	Public Service Electric and Gas Company	d	Jeffrey C. Mueller	iou
112	Public Service Electric and Gas Company	t	Kenneth D. Brown	iou
113	Puget Sound Energy, Inc.	t	George Marshall, Bob Harshbarger	niou
114	Qualedi, Inc.	g	Stephen A. Morocco	at large
115	Reliant Energy Services	g	Gary A. Hinnners	merc

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
116	Sacramento Municipal Utility District	d	Robert D. Schwermann	muni
117	Sacramento Municipal Utility District	g	TBA	muni
118	Salt River Project Agricultural Improvement and Power District	d	Wendy Weathers, Mark B. Bonsall	other
119	Salt River Project Agricultural Improvement and Power District	t	Steve Cobb	fed
120	Salt River Project Agricultural improvement and Power District	m	Mark S. Mitchell	fe
121	Seminole Electric Cooperative, Inc.	m	Lane Mahaffey	muni
122	Sierra Pacific Resources	t	Patricia Englin	iou
123	South Carolina Electric & Gas Company	t	S. Porcher Stoney	iou
124	South Carolina Electric & Gas Company	m	Kevin Spitzform	iou
125	Southeastern Power Administration	g	Bob Goss	fed
126	Southern California Edison	t	Weston Williams	iou
127	Southern California Edison Co.	g	Tracy Bibb	iou
128	Southern Company Services, Inc.	d	Gary Rozier, Leonard Haynes, Greg Butrus	iou
129	Southern Company Services, Inc.	g	John Ciza	iou
130	Southern Company Services, Inc.	m	Joel Dison	iou
131	Southern Company Services, Inc.	t	R.D. (Dean) Ulch, John Lucas, JT Wood, James Y. Busbin	iou
132	Southwest Power Pool	i	Carl Monroe, Michael Desselle	
133	Southwest Transmission Cooperative, Inc.	t	Larry D. Huff	muni
134	Southwestern Power Administration	t	Stanley L. Mason	fed
135	SUEZ Energy Marketing NA, Inc.	m	Ken Lackey, Cesar Seymour	niou
136	Tampa Electric Company	m	Gail M. McKaig	iou
137	Tenaska, Inc.	g	Scott Helyer	merc
138	Tennessee Valley Authority	d	Cindy Herron	other
139	Tennessee Valley Authority	g	Kathy York	fed
140	Tennessee Valley Authority	m	Clyde Harmon	fed
141	Tennessee Valley Authority	t	W. Terry Boston	fed
142	TranServ International, Inc.	i	Kevin Burns	
143	Tri-State Generation and Transmission Association, Inc.	t	Bruce Sembrick	muni
144	Tucson Electric Power Company	t	Raquel Aguilar, Judy Fregoso, Ed Beck	iou

North American Energy Standards Board Membership List
As of June 6, 2007

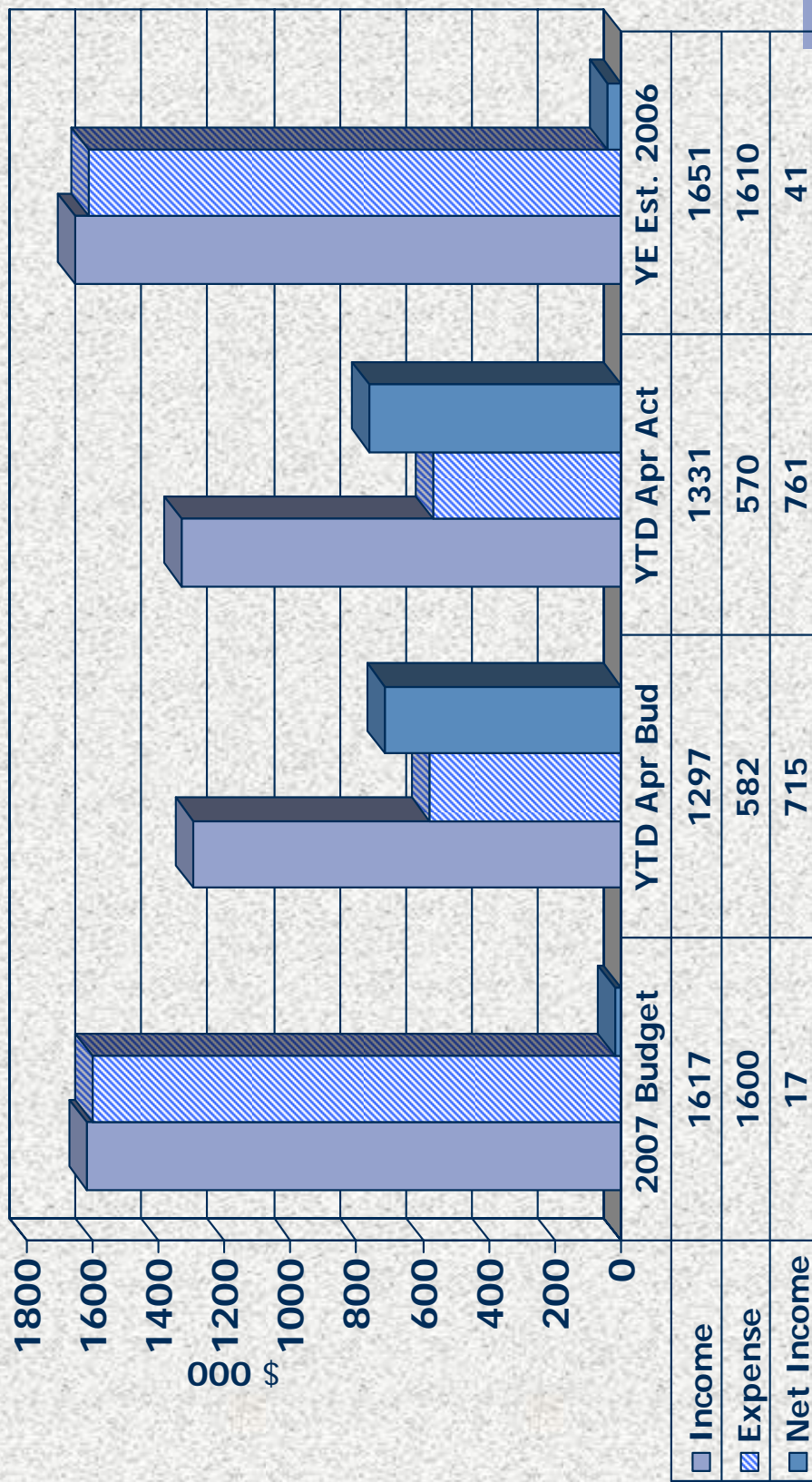
Quadrant	Organization	Segment	Contact	Sub-Segment
	145 TXU Energy	m	Elizabeth Howland, Mike Grim	nio
	146 Vermont Public Power Supply Authority	g	William J. Gallagher	muni
	147 Western Area Power Administration	t	Mark Fidrych	fed
	148 Western Area Power Administration	m	Jeffrey Ackerman	fed
	149 Western Electricity Coordinating Council	t	Michael Wells, Louise McCarren	at large
	150 We Energies (Wisconsin Electric)	d	Linda Horn	iou
	151 We Energies (Wisconsin Electric)	g	James R. Keller	iou
	152 Williams Power Company	g	Ron Mucci	at large
	153 Wisconsin Public Power, Inc.	d	Mike Stuart	muni
	154 Xcel Energy Inc.	m	David Lemmons	iou
Retail Gas Quadrant:	1 AGL Resources Inc.	d	Katrina Bond	
	2 Allegro Development	s	Kimberly Page	
	3 Baltimore Gas & Electric Company	d	Phil Precht	
	4 Center Point Energy Minnegasco	su	Tracy Bridge	
	5 Commerce Energy Group	s	Greg Lander	
	6 Dominion Retail, Inc.	su	Richard A. Zollars	
	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 Integrys Energy Services, Inc.	d	William Bourbonnais, Ken Thiry, Les Nishida	
	11 International LNG Alliance	s	David Sweet	
	12 Interstate Gas Supply	su	Elizabeth Clothier	
	13 Latitude Technologies	s	Leigh Spangler	
	14 National Fuel Gas Distribution Corporation	d	Mike Novak	
	15 Niagara Mohawk	d	James Dillon	
	16 Northern Indiana Public Service Company (NiSource, Inc.)	d	Mark T. Maassel	
	17 Ohio Consumer's Counsel	e	Bruce M. Hayes	
	18 Pennsylvania Office of Consumer Advocate	e	Tanya J. McCloskey	
	19 Philadelphia Gas Works	d	Joe Stengel, Craig White	
	20 Public Service Electric & Gas Company	d	Terrence Moran	
	21 Sprague Energy Corp.	su	Kathy Fudali	

North American Energy Standards Board Membership List
As of June 6, 2007

Quadrant	Organization	Segment	Contact	Sub-Segment
22	Systrends USA	s	Dave Darnell	
23	UBS Energy LLC	su	Suzanne Calcagno	
24	UGI Utilities, Inc.	d	Paul Szykman	
25	Xcel Energy	d	Don Basler	

North American Energy Standards Board Board of Directors Meeting – 6-28-07

As of April 2007 Accrual Based Income and Expenses





North American Energy Standards Board

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

June 20, 2007

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

Key financial highlights:

- December 14, 2006:** The Board of Directors approved the 2006 budget: \$1,616,920 for revenues to be collected in 2007 based primarily on 2006-7 dues collections, and \$1,599,647.00 for expenses expected in 2007, with an expected net income of \$17,273.00.
- YE December 31, 2006:** Total assets and total liabilities and equity for the yearend 2006 were \$864,810.76. Accounts Receivables related to outstanding membership dues were \$209,000, of which \$15,000 is 90 days or more in arrears, \$148,500 is 60 days in arrears and \$45,500 is 30 days or less in arrears. Our net income year-end is \$95,288.34 (Expenses \$1,489,295.97 and net revenue of \$1,584,584.31). Compared to this period last year, we have a net income increase of \$135,656 (expenses were \$95,624 lower in 2006 YTD and revenues were \$40,033 higher YTD). Our expenses are 5.8% lower than budgeted for YTD (\$1,489,295.97 actual compared to \$1,581,015.00 budgeted), which is offset by revenues being 3.3% lower (\$1,584,584.31 actual to \$1,639,100 budgeted). As such, the net income is 39% higher than budgeted – \$95,288.34 actual compared to \$58,085.00 budgeted. On a cash basis, we have an ending balance as of December 31 of \$607,144.
- January 31, 2007:** Total assets and total liabilities and equity are \$664,333.83. Accounts Receivables related to outstanding membership dues were \$125,500, of which \$20,000 is 90 days or more in arrears, \$10,000 is 60 to 90 days in arrears, \$65,000 is 30-60 days in arrears and \$30,500 is 30 days or less in arrears. Our net income year-to-date is \$906,745.87 (Expenses \$206,228.59 and net revenue of \$1,112,974.46). Compared to this period last year, we have a net income decrease of \$45,134 (expenses were \$18,557 higher for this period YTD compared to 2006 and revenues were \$26,577 lower). Our expenses are 2.5% lower than budgeted for YTD (\$206,228.59 actual compared to \$211,474.37 budgeted), which is augmented by revenues being 2.3% higher (\$1,112,974.46 actual to \$1,087,993.40 budgeted). As such, the net income is 3.4% higher than budgeted – \$906,745.87 actual compared to \$876,519.03 –budgeted – a net gain of \$30,226.84. On a cash basis, we have an ending balance as of January 31 of \$491,591.
- February 28, 2007:** Total assets and total liabilities and equity are \$639,370.26. Accounts Receivables related to outstanding membership dues were \$185,000, of which \$25,000 is 90 days or more in arrears, \$60,000 is 60 to 90 days in arrears, \$10,000 is 30-60 days in arrears and \$90,000 is 30 days or less in arrears. Our net income year-to-date is \$862,438.79 (Expenses \$321,016.97 and net revenue of \$1,183,455.76). Compared to this period last year, we have a net income increase of \$36,389 (expenses were \$1,867 lower for this period YTD compared to 2006 and revenues were \$34,522 higher). Our expenses are 5.2% lower than budgeted for YTD (\$321,016.97 actual compared to \$338,543.70 budgeted), which is augmented by revenues being 12.1% higher (\$1,183,455.76 actual to \$1,107,778.40 budgeted). As such, the net income is 3.4% higher than budgeted – \$862,438.79 actual compared to \$769,254.70 –budgeted – a net gain of \$93,184.09. On a cash basis, we have an ending balance as of February 28 of \$409,688.
- March 31, 2007:** Total assets and total liabilities and equity are \$676,748.78. Accounts Receivables related to outstanding membership dues were \$220,000, of which \$40,000 is 90 days or more in arrears, \$10,000 is 60 to 90 days in arrears, \$10,000 is 30-60 days in arrears and \$160,000 is 30 days or less in arrears. Our net income year-to-date is \$844,342.95 (Expenses \$443,845.94 and net revenue of \$1,288,188.89). Compared to this period last year, we have a net income increase of \$22,569 (expenses were \$3,064 lower for this period YTD compared to 2006 and revenues were \$19,532 higher). Our expenses are 3.6% lower than budgeted for YTD (\$443,845.94 actual compared to \$460,313.03 budgeted), which is augmented by revenues being 4.8% higher (\$1,288,188.89 actual to \$1,241,313.40 budgeted). As such, the net income is 8.1% higher than budgeted – \$844,342.95 actual compared to \$781,000.37 –budgeted – a net gain of \$63,342.58. On a cash basis, we have an ending balance as of March 31 of \$409,997.



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- April 30, 2007:** Total assets and total liabilities and equity are \$594,109.58. Accounts Receivables related to outstanding membership dues were \$125,500, of which \$30,000 is 90 days or more in arrears, \$10,000 is 60 to 90 days in arrears, \$5,000 is 30-60 days in arrears and \$80,500 is 30 days or less in arrears. Our net income year-to-date is \$760,636.81, (Expenses \$570,143.56 and net revenue of \$1,330,780.37). Compared to this period last year, we have a net income increase of \$10,257, (expenses were \$13,541 higher for this period YTD compared to 2006 and revenues were \$23,797 higher). Our expenses are 2.1% lower than budgeted for YTD, (\$570,143.56 actual compared to \$582,252.36 budgeted), which is augmented by revenues being 2.6% higher, (\$1,330,780.37 actual to \$1,297,348.40 budgeted). As such, the net income is 6.4% higher than budgeted – \$760,636.81 actual compared to \$715,096.04 –budgeted – a net gain of \$45,540.77. On a cash basis, we have an ending balance as of April 30 of \$424,427.

MEETING STATISTICS

Month	Event	WEQ	WGQ	Retail	Joint	Board
January	12 meetings/54 hours	5/22	3/15	4/17		
	14 conf. calls/41 hours	8/22	2/6	3/12	1/1	
February	13 meetings/62.5 hours	7/35	3/15.5	1/5	2/7	
	7 conf. calls/23.5 hours	3/10	1/4	3/9.5		
March	15 meetings/64.5 hours	7/34	3/17	0	1/5	4/8.5
	13 conf. calls/35.5 hours	9/25.5	0	1/5	3/5	
April	13 meetings/71 hours	8/43	3/18	0	2/10	
	2 conf. calls/4 hours	0	0	0	2/4	
May	19 meetings/99 hours	12/64	3/16	3/14	1/5	
	15 conf. calls/40 hours	9/27	1/3	1/3	4/7	
Total	72 meetings/351 hours	39/198	15/81.5	8/36	6/27	4/8.5
	49 conf calls/142 hours	27/82.5	4/13	8/29.5	10/17	



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FINANCIAL REPORT YEAR-TO-DATE 2007 – ACCRUAL BASED, AS OF APRIL 30, 2007

BALANCE SHEET

Assets	
Current Assets	\$434,220.51
Accounts Receivable	\$125,500.00
Fixed Assets	\$24,111.13
Other Assets	\$10,277.94
Total Assets	\$594,109.58
Liability & Equity	
Deferred Revenue	\$85,125.04
Accounts Payable	\$24,885.84
Retained Earnings	(\$276,538.11)
Net Income	\$760,636.81
Total Liability and Equity	\$594,109.58

INCOME AND EXPENSE

Income	\$1,330,780.37
Expense	\$570,143.56
Net Income	\$760,636.81

INCOME AND EXPENSES TO BUDGET - YTD

2007 YTD Budget for Income	\$1,297,348.40
Income Variance	\$33,431.97
2006 YTD Budget for Expenses	\$582,252.36
Expenses Variance	(\$12,108.80)
Net Income Variance	\$45,540.77

YEAR END ANALYSIS

2006 Budget	\$1,616,920.00
Revenue YTD Actual	\$1,330,780.37
Remaining Revenue Estimated through YE	\$320,000.00
Estimated YE Revenue	\$1,650,780.37
Expenses YTD Actual	\$570,143.56
Remaining Expenses Estimated through YE	\$1,040,000.00
Estimated YE Expenses	\$1,610,143.56
Difference - Revenue - Expenses	\$40,636.81

CASH BASIS ANALYSIS

Beginning Balance 1-1-07	\$607,142
Total Cash Income	\$406,166
Total Costs	\$588,882
Ending Balance	\$424,427

ACCOUNTS RECEIVABLE ANALYSIS

Accounts Receivable	\$125,500
Items 90 Days or more Outstanding	\$30,000
Items 60 Days Outstanding	\$10,000
Items 30 Days Outstanding	\$5,000
Items Less Than 30 Days Outstanding	\$80,500

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MATERIALS
JUNE 28, 2007

TAB 11

BOARD BUSINESS

LIAISONS WITH EXTERNAL GROUPS

This section includes:

- Summary of liaisons with other groups.

The material presented is background information for the discussion of agenda item 8, and the material presented is for informational and discussion purposes with the no action expected of the board.



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NAESB BOARD OF DIRECTORS MEETING MATERIALS
 LIAISONS WITH EXTERNAL GROUPS
 JUNE 28, 2007

FEDERAL AGENCIES

- **October 23, 2006:** The Department of Energy released the [Sandia Surety Assessment Report to NAESB](#) for analysis and response. Changes are reflected in the 2007 plans and work is underway to address the issues raised. The WEQ response is complete and the WGQ response is expected in early summer, after which NAESB will respond to the DoE.

NATIONAL ASSOCIATION OF REGULATORY UTILITY COMMISSIONERS

- **Monthly Update Call 2007 Schedule:** Monthly update calls in 2007 are scheduled for January 31, March 14, May 23, July 25, September 12 and December 5. Update calls of one hour each month are held to brief state 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 31, 2007:** A monthly update call was held to discuss seams issues, demand side management activities, the e-tariff activities, the PKI standards recently adopted, the creation of a new segment in the WEQ and an update on the coordination efforts with NERC on TLR.
- **February 17, 2007:** The [NAESB Advisory Council](#) meeting took place in conjunction with the NARUC winter session. The meeting was scheduled from 4:00 PM to 6:00 PM Eastern at the Renaissance Washington Hotel in Washington, DC. It was well attended, and the agenda covered such items as DSM, EE, gas-electric interdependency, participation by the ISOs, coordination with NERC, gas quality, and OATT reform.
- **February 18, 2007:** A [primer](#) from Jimmy Glotfelty of ICF regarding the [GEIC report](#) produced on June 22, 2006 and a [primer](#) from Ken Costello of NRRI regarding the GEIC report on July 30, 2006 was published in support of the NAESB filing made on February 22, 2006. The [FERC NOPR](#) (Docket Nos. RM05-5-001 and RM96-12-027) regarding this filing was made available on October 25 to address communication standards. Valerie Crockett and Rae McQuade participated in the NARUC winter session on this issue on February 18, 2007.
- **March 14, 2007:** A monthly update call was held to discuss seams issues, demand side management activities, the e-tariff activities, the creation of a new segment in the WEQ, the gas quality efforts, the Advisory Council and an update on the efforts to address standards issues in Order 890.
- **May 23, 2007:** A monthly update call was held to review the various projects underway at NAESB include: the coordination with NERC to complete the NERC split version of the TLR standards; the progress to date on FERC Order 890; the development of standards to address e-Tariff; Gas Quality; and Demand Side Management and Energy Efficiency.
- **June 4, 2007:** Rae McQuade, Keith Sappenfield and Jim Buccigross discussed the use of the base contract for natural gas and specifically the force majeure clause with Bob Gray of the Arizona Corporation Commission.

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

- **2007:** Laura Kennedy has scheduled periodic status calls set up with Andy Rodriguez and Gerry Adamski of NERC staff to ensure coordinated approaches to standards development.
- **April 5, 2007:** NAESB met with NERC administration in Princeton to address TLR delays, joint publication scenarios for revenue neutral solutions, joint development concerns and coordination of Order 890 tasks and filings with the FERC.