North American Energy Standards Board

Board of Directors Meeting

December 4, 2003

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
DECEMBER 4, 2003

TABLE OF CONTENTS

Tab 1 **Opening Remarks**
- Meeting Announcement
- Members of the Board of Directors & Terms
- Calendar of 2004 Board Meetings
- Antitrust Guidelines

Tab 2 **Agenda**

Tab 3 **Draft Minutes of September 18, 2003**

Tab 4 **Executive Director's Report**
- Monthly Update Calls – "At A Glance"
- Membership Report
- Outreach Meetings

Tab 5 **Financial Report**
- Accrual Based YTD 2003 as of September 2003
- Draft Budget for 2004
- Conference Calling Administration
- Promotional Dues Resolution

Tab 6. **Executive Committee Report**
- 2003 Annual Plans Status for all four quadrants
- Proposed 2004 Annual Plans for all four quadrants

Tab 7. **Update on Related Groups**
- Joint Interface Committee
- OASIS Standards Collaborative and Electronic Scheduling Collaborative
- Seams Efforts
- Coordination with NERC

Tab 8. **Managing Committee Report**
- Report on NAESB Update Meeting with FERC
- FERC Technical Conference 12-1-03

NORTH AMERICAN ENERGY STANDARDS BOARD
BOARD OF DIRECTORS MEETING MATERIALS
DECEMBER 4, 2003

WELCOME AND OPENING REMARKS

- The meeting specifics are:

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

  WHEN: Thursday, December 4
  9:00 a.m. to 12:30 p.m. Central

  Please feel free to call (713-356-0060) if you have any questions or comments, additions to the agenda, or additional meeting materials. If you would prefer attending by conference call, the NAESB Office can provide the conference calling information. The materials are posted on the NAESB Home Page in the "Board of Directors" area for attendees to download.

- For further assistance please reach:

  Veronica Thomason at (713) 356 - 0060

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

  Leonard Haynes - Chairman
  Michael Desselle - Vice Chairman Wholesale Electric Quadrant
  Mark Maassel - Vice Chairman Retail Gas Quadrant
  Joe Stepenovitch - Vice Chairman Wholesale Gas Quadrant
  Rae McQuade - Executive Director

North American Energy Standards Board
1301 Fannin, Suite 2350, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@aol.com
Home Page: www.naesb.org

November 10, 2003

TO: NAESB Board of Directors

FROM: Rae McQuade, NAESB Executive Director

RE: Meeting Announcement for the NAESB Board Meeting – December 4, 2003

Dear Board Members,

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

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

When: Thursday, December 4
9:00 a.m. to 12:30 p.m. Central

We look forward to seeing you at the meeting. Conference calling will be available should you be unable to attend in person. The agenda and meeting materials should be prepared for you shortly.

Best Regards,

Rae McQuade
NAESB Executive Director & COO

ANTITRUST GUIDELINES

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

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

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

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

North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD
2003 BOARD TERMS – Wholesale Gas Quadrant

END USER SEGMENT		TERM END:
Jim Downs	Manager of Gas and Regulatory and Federal Compliance, Calpine Corp.	Dec 31, 2004
Joe Stepenovitch	Vice President, Energy Marketing & Trading, Florida P&L	Dec 31, 2004
John Procario	Vice President & COO, Cinergy	Dec 31, 2004
Janie Mitcham	Vice President, Fuel and Energy Management, Reliant Energy	Dec 31, 2005
Jim Templeton	Principal, Comprehensive Energy Services	Dec 31, 2005
LDC SEGMENT		**TERM END:**
Tim Kelley	Vice President Energy Services and Regulation, Connecticut Natural Gas Corporation and The Southern Connecticut Gas Company	Dec 31, 2004
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisitions, Washington Gas Light Company	Dec 31, 2004
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Dec 31, 2004
Walt DeForest	Senior Vice President, National Fuel Gas Distribution	Dec 31, 2005
Lee Stewart	President, Energy Transportation Services, Southern California Gas Co	Dec 31, 2005
PIPELINE SEGMENT		**TERM END:**
Terry McGill	Executive Vice President, Enbridge Energy	Dec 31, 2004
John Somerhalder	President, El Paso Energy Pipeline Group	Dec 31, 2004
Shelley Corman	Senior Vice President & Chief Commercial Officer - Transwestern Pipeline, Enron Transportation Services Company	Dec 31, 2004
Ron Mucci	Senior Vice President Shared Services, Williams Gas Pipeline	Dec 31, 2005
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	Dec 31, 2005
PRODUCER SEGMENT		**TERM END:**
Randy Mills	Regulatory Manager, ChevronTexaco	Dec 31, 2004
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Dec 31, 2005
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	Dec 31, 2005
VACANCY	VACANCY	Dec 31, 2004
VACANCY	VACANCY	Dec 31, 2005
SERVICES SEGMENT		**TERM END:**
Sylvia Munson	Principal, Elite Computer Consultants	Dec 31, 2004
VACANCY	VACANCY	Dec 31, 2004
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	Dec 31, 2005
Lyn Maddox	President & CEO, Prospect Energy	Dec 31, 2005
G. William Hebenstreit	Vice President Contract Services, El Paso Merchant Energy	Dec 31, 2005

OFFICERS: Leonard Haynes is CEO and 2003 chairman of the Board of Directors. Rae McQuade as Executive Director serves as Secretary and COO. Michael Desselle is the WEQ Vice Chairman. Mark Maassel is the RGQ Vice Chairman. Joe Stepenovitch is the WGQ Vice Chairman.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2003 BOARD TERMS – Retail Electric Quadrant

DISTRIBUTOR SEGMENT		**TERM END:**
Dave Koogler	Director – Regulation & Competition, Dominion Virginia Power (SERC NERC Region).	Dec 31, 2005
Bill Bourbonnais	Assistant Vice President - Transmission, WPS Resources Corporation (MAIN NERC Region)	Dec 31, 2005
Johnny Magwood	Vice President Customer Services, Baltimore Gas and Electric Company	Dec 31, 2004
Leonard Haynes	Executive Vice President and Chief Marketing Officer, Southern Company Services (SERC NERC Region)	Dec 31, 2004
END USER SEGMENT		**TERM END:**
Sonny Popowsky	Pennsylvania Office of Consumer Advocate	Dec 31, 2005
V A C A N C Y		Dec 31, 2005
V A C A N C Y		Dec 31, 2004
V A C A N C Y		Dec 31, 2004
SERVICES SEGMENT		**TERM END:**
H. Ward Camp	Vice President Regulatory and Strategic Alliances, Distribution Control Systems, Inc.	Dec 31, 2005
Stacey Wood	Director, The Structure Group	Dec 31, 2005
J Cade Burks	President, EC Power	Dec 31, 2004
John Williams	Chief Executive Officer and Co-founder, 8760.	Dec 31, 2004
SUPPLIER SEGMENT		**TERM END:**
Brian Landrum	President, Reliant Energy Retail Services	Dec 31, 2005
Jason Woodward	Director of Business Services, Tractebel Energy Services, Inc.	Dec 31, 2005
V A C A N C Y		Dec 31, 2004
Richard Zelenko	General Manager, Dominion Retail Inc.	Dec 31, 2004

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NORTH AMERICAN ENERGY STANDARDS BOARD
2003 BOARD TERMS – Wholesale Electric Quadrant

END USER SEGMENT		**TERM END:**
John A. Anderson	Executive Director, Electricity Consumers Resource Council (ELCON)	Dec 31, 2005
V A C A N C Y	To be filled from the Large Industrials Sub-Segment	Dec 31, 2004
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	Dec 31, 2004
Michael J. Travieso	People's Counsel, Maryland People's Counsel	Dec 31, 2005
Ron Jackups	Vice President, Electric System Operations, Cinergy	Dec 31, 2005
Brett Perlman	Former Commissioner, Public Utility Commission of Texas	Dec 31, 2004
LDC SEGMENT		**TERM END:**
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	Dec 31, 2005
Jim Miller	Vice President & General Counsel, Southern Company Services Inc.	Dec 31, 2004
Ted Humann	Senior Vice President Transmission, Basin Electric Power Cooperative	Dec 31, 2005
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Dec 31, 2004
Mark B. Bonsall	Chief Financial Executive/Associate General Manager, Salt River Project	Dec 31, 2005
V A C A N C Y	To be filled from the Competitive Retailer Sub-Segment	Dec 31, 2004
GENERATION SEGMENT		**TERM END:**
Forrest E. Reeves	Assistant Administrator, Office of Corporate Operations, Southwestern Power Administration	Dec 31, 2004
Charles W. Severance	Director Bulk Power, Wisconsin Public Service Corporation	Dec 31, 2005
John J. Dellas	Executive Director Electric Restructuring, Consumers Energy	Dec 31, 2004
V A C A N C Y	To be filled from the Merchant Sub-Segment	Dec 31, 2005
Thomas Ingwers	Director, Energy Trading and Contracts, Sacramento Municipal Utility District	Dec 31, 2005
Gloria Ogenyi	Director Energy and Market Policy, Conectiv Energy Supply, Inc.	Dec 31, 2004
TRANSMISSION SEGMENT		**TERM END:**
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	Dec 31, 2004
Peter Flynn	Vice President Transmission Strategy and Policy, National Grid USA	Dec 31, 2005
V A C A N C Y	To be filled from the ITC Sub-Segment	Dec 31, 2004
Carroll Waggoner	Sr. Manager Transmission Policy, Sunflower Electric Power Corporation	Dec 31, 2005
John H. Zemanek	Vice President Transmission, Entergy Services, Inc.	Dec 31, 2004
Michael Desselle	Director Public Policy, American Electric Power	Dec 31, 2005

MARKETER/BROKER SEGMENT		TERM END:
Steve Oliver	Vice President of Bulk Power Marketing Transmission Services, Bonneville Power Administration /Power Business Line	Dec 31, 2005
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	Dec 31, 2005
Thomas A. Smith	Manager of Power Marketing, Tri-State Generation & Transmission Association, Inc.	Dec 31, 2004
John Meyer	Vice President – Asset Commercialization, Reliant Energy	Dec 31, 2005
Dowell Hudson	Vice President Special Projects, Energy Markets, Ontario Power Generation	Dec 31, 2004
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Marketing Inc.	Dec 31, 2004

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NORTH AMERICAN ENERGY STANDARDS BOARD
2003 BOARD TERMS – Retail Gas Quadrant

DISTRIBUTORS SEGMENT		**TERM END:**
Craig White	Acting Chief Operating Officer, Philadelphia Gas Works	Dec 31, 2004
Glen R. Schwalbach	Assistant Vice President Corporate Planning, Wisconsin Public Service Corporation	Dec 31, 2003
Mark T. Maassel	President, Northern Indiana Public Service Company (NiSource, Inc.)	Dec 31, 2004
Paul J. Szykman	Manager - Rates & Strategic Planning, UGI Utilities, Inc.	Dec 31, 2003
Joseph F. Bodanza	Senior Vice President for Finance Operations & Regulatory Affairs, KeySpan Energy	Dec 31, 2003
VACANCY		Dec 31, 2004
END USERS SEGMENT		**TERM END:**
Matthew G. Parsell	Assistant Director, Natural Gas Division, Indiana Office of Utility Consumer Counselor	Dec 31, 2004
Tina Burnett	Chair, Northwest Industrial Gas Users Association	Dec 31, 2004
VACANCY		Dec 31, 2004
VACANCY		Dec 31, 2003
VACANCY		Dec 31, 2003
VACANCY		Dec 31, 2003
SERVICE PROVIDERS SEGMENT		**TERM END:**
Leigh Spangler	President, Latitude Technologies Inc.	Dec 31, 2004
Dave Pfeifer	Vice President – Energy, EnForm Consulting, LP	Dec 31, 2004
Dave Darnell	President & CEO, Systrends Inc.	Dec 31, 2003
Greg Lander	Principal, CapacityCenter.com	Dec 31, 2003
Richard J. Rudden	President & CEO, R. J. Rudden Associates, Inc.	Dec 31, 2003
VACANCY		Dec 31, 2004
SUPPLIER SEGMENT		
Randy Magnani	Director C&I Operations, Amerada Hess Corporation	Dec 31, 2004
VACANCY		Dec 31, 2004
VACANCY		Dec 31, 2004
VACANCY		Dec 31, 2003
VACANCY		Dec 31, 2003
VACANCY		Dec 31, 2003

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1100 Louisiana, Suite 3625, Houston, Texas 77002
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December 4, 2003

TO: NAESB Board of Directors

FROM: Rae McQuade, NAESB Executive Director

RE: Meeting Schedule

Dear Board Members,

Below is the 2004 meeting schedule for Board of Director meetings. All meetings will be accessible by phone, and meeting materials for each meeting will include a ballot for notational voting on any items that are not decided by simple majority. All Board meetings will be transcribed.

Date	Time	Location
Thursday, March 18	9:00 am to 12:30 pm Central	Houston, Texas at IAH Airport
Thursday, June 10	9:00 am to 12:30 pm Central	Houston, Texas at IAH Airport
Thursday, September 16	9:00 am to 12:30 pm Central	In conjunction with Annual Meeting
Thursday, December 9	9:00 am to 12:30 pm Central	Houston, Texas at IAH Airport

Best Regards,

Rae

Rae McQuade
NAESB Executive Director & COO

TAB 2

AGENDA

North American Energy Standards Board
1301 Fannin, Suite 2350, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@aol.com
Home Page: www.naesb.org

November 10, 2003

TO: NAESB Board of Directors

FROM: Rae McQuade, NAESB Executive Director

RE: Meeting Announcement for the NAESB Board Meeting – December 4, 2003

Dear Board Members,

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

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

When: Thursday, December 4
9:00 a.m. to 12:30 p.m. Central

We look forward to seeing you at the meeting. Conference calling will be available should you be unable to attend in person. The agenda is attached and meeting materials should be prepared for you shortly.

Best Regards,

Rae McQuade
NAESB Executive Director & COO

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NORTH AMERICAN ENERGY STANDARDS BOARD OF DIRECTORS MEETING
Houston Airport Marriott Hotel, Houston, Texas

Thursday, December 4, 2003 – 9:00 a.m. to 12:30 pm Central
DRAFT AGENDA

9:00 a.m.	1.	Welcome & Administrative Items • Antitrust Guidelines • Agenda Adoption • Adoption of Minutes from 9-18-03
9:15 a.m.	2.	Executive Director's Report • Monthly Update Calls – "At A Glance" • Membership Report • Meetings with western interests
9:30 a.m.	3.	Financial Report • Accrual Based Report 2003 YTD as of September 2003 • Budget for 2004 – Discussion and Vote to Adopt • Charges for Conference Calling • Promotional Dues Discussion and Vote to Adopt
9:45 a.m.	4.	Executive Committee Report • Wholesale Gas Quadrant • Wholesale Electric Quadrant • Retail Gas & Retail Electric Quadrants • Discussion and Vote to Adopt 2004 Annual Plans
10:30 a.m.		Break
10:45 a.m.	5.	Updates on Related Groups • Joint Interface Committee • OASIS Scheduling Collaborative and Electronic Scheduling Collaborative • Seams Efforts • Coordination with NERC
11:15 a.m.	6.	Managing Committee Report • NAESB Update Meeting with FERC • FERC Technical Conference 12-1-03
11:45 a.m.	7.	Old and New Business
12:30 p.m.		Adjourn

TAB 3

MINUTES

North American Energy Standards Board
1301 Fannin, Suite 2350, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@aol.com
Home Page: www.naesb.org

TO: NAESB Board of Directors, Posting for Interested Industry Participants

FROM: Todd Oncken, NAESB Deputy Director

RE: Draft Minutes from the NAESB Board of Directors Meeting – September 18, 2003

DATE: September 22, 2003

NAESB Board of Directors Meeting
Thursday, September 18, 2003
9:00 a.m. – 12:30 p.m. Central
Austin, TX

1. Welcome & Administrative Items

Mr. Haynes called the meeting to order and welcomed Mr. Grim as a special guest. Mr. Costan gave the antitrust advice. The roll was called and quorum was established. Mr. Desselle moved, seconded by Mr. Williams to adopt the draft agenda. The motion passed unanimously. Mr. Maassel moved, seconded by Mr. Hudson, to adopt the minutes from the June 26, 2003 Board of Directors meeting as drafted. The motion passed unanimously.

2. Executive Director's Report

Ms. McQuade gave the Executive Director's report. Topics included: 1) Data Interchange Standards Association Appeals Efforts; 2) Monthly Update Calls – 'At A Glance'; 3) Changes to the NAESB Web Site; 4) Annual Meeting Report; and 5) Membership Report.

Data Interchange Standards Association (DISA) Appeals Effort: Ms. McQuade reported on the appeal NAESB filed with DISA, the standards organization responsible for the ASC X12 standards used in EDI, regarding the creation of an Energy Task Force as part of the X12 Financial Subcommittee. She stated DISA has nullified the ballot due to inconsistencies with the DISA procedures in the formation of the task force. Further, she said NAESB expects a confirmation from DISA which addresses the primary concerns of our organization – that the ballot be nullified and that the procedures we follow to request changes to the X12 standards remain the same. Ms. McQuade stated this was a positive result which produced the results NAESB needed to continue with efficient standards development while preserving NAESB's relationship with DISA and obviating the need to raise an appeal on the issue to ANSI.

Monthly Update Calls – 'At A Glance': Ms. McQuade stated NAESB has held four At A Glance calls, each with representative from NARUC, federal agencies and NAESB members attending. She stated future calls, except September due to the Annual Meeting, will be held on the third Thursday of each month at 2:00 p.m. Eastern.

Changes to the NAESB Web Site: Ms. McQuade stated NAESBMail, the e-mail distribution system, is being widely used. Also, she stated a search function for the NAESB web site would be implemented and available in October.

Annual Meeting Report: Ms. McQuade reported the 2004 Annual Meeting was held on September 16-17 in Austin, TX at the Driskill Hotel. Ms. McQuade briefly reviewed the program and attendance, noting the meeting was very well received by both presenters and attendees.

Membership Report: Ms. McQuade reported current NAESB membership at 368, with quadrant-specific membership as follows: Wholesale Gas Quadrant (WGQ) – 121; Wholesale Electric Quadrant (WEQ) – 162; Retail Gas Quadrant (RGQ) – 42; and Retail Electric Quadrant (REQ) – 43. A graphic depiction of NAESB membership can be found under tab 4 of the meeting materials. Mr. Brown noted several organizations maintain multiple NAESB memberships, and those

memberships might be consolidated through the organization's budget process, which may affect the retail quadrants in particular.

3. Financial Report

Ms. Wishart gave the financial report as of June 30, 2003. It was noted actual expenditures for telecommunications services exceeded those budgeted, and are expected to continue throughout the year due to increased telephone conferencing. Ms. McQuade referenced the 2002 audit report, available in the meeting materials, which states the NAESB financial statements were found to be in good order.

There was an initial discussion of the 2004 budget process. It was noted that since membership seems to have stabilized around 370 members, that number will likely be used as the basis for the 2004 budget. Ms. McQuade stated that several budget alternatives will be prepared for consideration by the Managing Committee and a budget for 2004 will be presented at the December Board meeting. Mr. Haynes noted a fee for teleconferencing of is being considered in one scenario. Ms. McQuade stated that instituting fee-based teleconferencing would allow a budget allocation to increase the NAESB staff for support of the quadrant activities. The following concerns were raised: 1) whether the imposition of the fee would dampen volunteer participation; 2) whether there was historical data on the effect a fee would have on meeting participation; 3) whether the fee would apply to face-to-face meetings with conferencing calling availability or all meetings; and 4) whether the 'At A Glance' calls would be subject to the fee. Ms. McQuade stated that should it be determined to charge for a conference call, the effect of any teleconferencing charge will be monitored for its affect on participation. The Board previously approved the use of fees for conference calling.

4. Executive Committee Report

Mr. Buccigross, Mr. Novak and Mr. Corneli gave the Executive Committee report. Included in the report was a brief discussion of the 2004 annual plan process.

Wholesale Gas Quadrant: Mr. Buccigross reported on the WGQ. He reviewed the 2003 Annual Plan and stated the WGQ did very well in fulfilling the items in its annual plan. In addition to the annual plan items, he noted a significant amount of implementation was completed during 2003. that was not evidenced by the annual plan. Of note, he stated that since item 3, *Explore additional possibilities for partnership with the Department of Energy*, was not completed and would roll to the 2004 plan, Version 1.7 EDM Standards would be the subject of the review. Additionally, Mr. Buccigross stated the WGQ Annual Plan Subcommittee has met and prepared a draft 2004 Annual Plan.

Retail Gas Quadrant and Retail Electric Quadrant: Mr. Novak reported on the RGQ and REQ. He stated the RGQ and REQ subcommittees have completed their work on Creditworthiness and Billing and Payments, combined totaling over 100 model business practices. Mr. Novak stated the Creditworthiness model business practices will be considered at the October Executive Committee meeting, with the Billing and Payments model business practices being considered subsequently at the December Executive Committee meeting or on a conference call, if appropriate. Mr. Novak stated the RGQ and REQ have had success working together and making model business practices that are quadrant neutral.

Mr. Novak stated the RGQ and REQ will focus on the implementation model business practices (data sets and data dictionaries) for Creditworthiness and Billing and Payments. He said the RGQ and REQ were deferring work on licensing due to policy implications and would begin development on Customer Enrollment, Switching & Dropping. Additionally, Mr. Novak stated the RGQ and REQ are considering forming a Contracts Subcommittee. Mr. Novak stated the 2004 Annual Plans will

resemble the 2003 Annual Plans, except for minor language modifications and the addition of an item for standards maintenance.

Wholesale Electric Quadrant: Mr. Corneli reported on the WEQ. Mr. Corneli stated the 2003 Annual Plan was predicated on the FERC's issuance of an order on Standard Market Design. He stated that as the FERC has not issued that order, the WEQ has shifted its focus to other critical issues, including coordination with NERC and the ISO/RTO Council. Mr. Corneli reviewed the progress made on the 2003 Annual Plan, noting the work of the Seams Subcommittee, the Standards Review Subcommittee and Inadvertent Interchange Payback Task Force is underway.

Mr. Corneli reviewed the draft 2004 Annual Plan. Mr. Corneli stated there is an effort going on at NERC to transition its current Policies into reliability standards (created and maintained by NERC) and complementary business standards (created and maintained by NAESB). He stated this NERC effort creates a potentially massive workload for the Executive Committee which could potentially last for several years. Additionally, he said the WEQ would likely work on OASIS and seams issues throughout 2004. Finally, Mr. Corneli stated the draft WEQ plan contains an item to investigate the need for electric or gas standards required to provide additional flexibility in generation scheduling through a specially assigned task force (item 4). Mr. Corneli said this item would likely be an opportunity for the Wholesale Quadrants to work together.

Participants discussed item 4 from the draft annual plan. Mr. Mucci questioned whether a standards request had been submitted and triaged prior to the inclusion of this item in an annual plan. He cautioned that the items contemplated by this WEQ item could delve into WGQ issues, such as gas day. Mr. Novak stated that he had encouraged the proponents of the WEQ annual plan item to file a standards request and anticipates the filing of such a request in the near future. Mr. Novak agreed that it is not clear if the item belongs on the WEQ annual plan. He noted that if the item is included in the WGQ annual plan, there will likely be some interest in the RGQ since some states require LDCs to follow the nominations timeline. Mr. Buccigross reminded participants that the annual plans presented were first drafts and could change before their presentation to the Board for acceptance at the December meeting. Mr. McMillan commented his concerns for the WEQ moving into 2004 were resource adequacy, prioritization, and facilitation.

5. Updates on Related Groups

Joint Interface Committee: Mr. Desselle stated that an informal Joint Interface Committee (JIC) meeting will be held on September 18 to review any available 2004 draft annual plans. Additionally, he stated the JIC will meet on September 19 to review several standards requests and assign those requests to either NERC or NAESB for further development.

OASIS Standards Collaborative and Electronic Scheduling Collaborative: Mr. Desselle reported that the WEQ has established an Information Technology Subcommittee, the members of which will likely be composed of members of the OASIS Standards Collaborative. They will address OASIS 1A and other pending work referred from the OSC. Additionally, he noted the WEQ has formed an Electronic Scheduling Subcommittee to address any work referred by the Electronic Scheduling Collaborative (ESC). He stated the ESC has not responded to the notification that the subcommittee has been established, but expects a response shortly. Mr. Desselle noted the Memorandum of Understanding (MOU) contemplates both the ESC and OSC being subsumed within either NERC or NAESB for standards development purposes by the third quarter of 2003. The ISO-RTO Council does not develop standards.

Seams Efforts: Mr. Desselle stated that the WEQ has formed a Seams Subcommittee, with its first task being to canvass and identify seams issues across the nation. He stated the seams catalog would be used as a vehicle to identify and prioritize seams issues for standards development by either NERC or NAESB. He noted several ISOs/RTOs are undertaking efforts to address seams

issues and he would contact those organizations to see where coordination would be appropriate. Mr. McMillan commented on the importance of positioning NAESB publicly as a forum for dealing with industry issues.

NERC Market Committee Interfaces: Mr. Desselle reviewed the charts under Tab 7 of the meeting materials detailing proposed coordination between the MOU counterparties. He noted the documents are not binding, but instead are graphical depictions of how parties see the coordination occurring. He stated key to the second-tier coordination was that both NERC and NAESB would have a central focus for coordination, so that one body would know which standards are being developed by whom. He noted NERC has preliminarily identified the Market Committee as the coordination point. He asked if any of the Board members had concerns with the charts where we would use the Executive Committee and the Standards Review Subcommittee as the NAESB focal point for coordination with NERC. No other coordination schemes were raised where our point of coordination would not be either the Executive Committee or the Standards Review Subcommittee. The charts had been reviewed by the NAESB EC subcommittee leadership to determine if our point of coordination was appropriately identified. The WEQ EC leadership supported and indeed helped to draft the charts. Mr. Desselle stated the parties contemplate joint meetings between the NERC and NAESB complementary committees and subcommittees. Mr. Desselle noted the coordination discussed was contemplated by the MOU, so no further action by the Board would be required.

Mr. Grim, chair of the NERC Markets Committee, reflected on the results of the recent meeting. He stated the Market Committee named liaisons to interface with several organizations, and Mr. Dayney was named liaison to the WEQ Standards Review Subcommittee; and Mr. Jackson and Mr. Hughes were selected to serve as the liaisons to the NAESB WEQ Executive Committee.

6. Managing Committee Report

Mr. Desselle gave the Managing Committee report. He stated NAESB filed a companion filing with the FERC to NERC's Market Redispatch Report. He said the NERC filing noted that it would not continue to support market Redispatch, as the function did not serve a reliability function. It was suggested that NAESB may be the appropriate forum for standards development on Market Redispatch. Because there are policy issues surrounding market Redispatch, NAESB requested in its filing that the FERC convene a technical conference to develop the issues and allow the industy to collaboratively move forward. The NAESB filing was coordinated with NERC and with industry trade associations.

7. Old and New Business

Old Business: Mr. Haynes commented on the discussion at the June Board meeting regarding the possibility of separate quadrant Board meetings. He stated the Managing Committee discussed the comments and recommends a quadrant Board conference call be scheduled one week prior to the Board meeting and attended by the quadrant vice chair, quadrant Executive Committee vice chair, and quadrant Board members. The first conference call is scheduled prior to the December Board meeting.

New Business: Mr. Haynes announced Mr. Costan's resignation as NAESB's General Counsel and thanked Mr. Costan for his many years of service to NAESB and GISB, NAESB's predecessor organization. Mr. Costan was presented with a plaque commemorating his service to both organizations. It was noted that Mr. Boswell will assume Mr. Costan's duties as the McGuireWoods representative for NAESB's General Counsel. Mr. Boswell resigned his seat on the Board of Directors at the conclusion of the meeting.

8. Adjourn

The meeting was adjourned on September 18, 2003 at 11:45 a.m. Central. It was noted that the acoustics of the room and the hotel audio equipment was problematic throughout the meeting. The office apologizes to those Board members who attended via conference call and experienced difficulties.

9. Board Attendance

WHOLESALE GAS QUADRANT		
END USER SEGMENT		
Jim Downs	Manager of Gas and Regulatory and Federal Compliance, Calpine Corp.	Absent
Joe Stepenovitch	Vice President, Energy Marketing & Trading, Florida P&L	In Person
John Procario	Vice President & COO, Cinergy	Phone
Janie Mitcham	Vice President, Fuel and Energy Management, Reliant Energy	Absent
Jim Templeton	Principal, Comprehensive Energy Services	In Person
LDC SEGMENT		
Bill Boswell	Assistant Secretary, Dominion	In Person
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisitions, Washington Gas Light Company	Phone
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	In Person
Walt DeForest	Senior Vice President, National Fuel Gas Distribution	In Person
Lee Stewart	President, Energy Transportation Services, Southern California Gas Co.	In Person
PIPELINE SEGMENT		
Terry McGill	Executive Vice President, Enbridge Energy	Phone
John Somerhalder	President, El Paso Energy Pipeline Group	Absent
Shelley Corman	Senior Vice President & Chief Commercial Officer – Transwestern Pipeline, Enron Transportation Services Company	Phone
Ron Mucci	Senior Vice President Shared Service, Williams Gas Pipeline	In Person
Richard Kruse	Senior Vice President, Duke Energy Gas Transmission	Phone
PRODUCER SEGMENT		
Randy Mills	Regulatory Manager, ChevronTexaco	In Person
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Absent
Keith Sappenfield	Regional Director – US Regulatory Affairs, En Cana Marketing (USA) Inc.	Phone
V A C A N C Y	V A C A N C Y	
V A C A N C Y	V A C A N C Y	
SERVICES SEGMENT		
Sylvia Munson	Principal, Elite Computer Consultants	In Person
V A C A N C Y	V A C A N C Y	
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	In Person
Lyn Maddox	President & CEO, Prospect Energy	Phone
G. William Hebenstreit	Vice President Contract Service, El Paso Merchant Energy	In Person
RETAIL ELECTRIC QUADRANT		
DISTRIBUTOR SEGMENT		
Dave Koogler	Director – Regulation & Competition, Dominion Virginia Power (SERC NERC Region).	Phone
Bill Bourbonnais	Assistant Vice President – Transmission, WPS Resources Corporation (MAIN	In Person

	NERC Region)	
Johnny Magwood	Vice President Customer Services, Baltimore Gas and Electric Company	Absent
Leonard Haynes	Executive Vice President and Chief Marketing Officer, Southern Company Services (SERC NERC Region)	In Person
END USER SEGMENT		
Sonny Popowsky	Pennsylvania Office of Consumer Advocate	Phone
V A C A N C Y		
V A C A N C Y		
V A C A N C Y		
SERVICES SEGMENT		
H. Ward Camp	Vice President Regulatory and Strategic Alliances, Distribution Control Systems, Inc.	In Person
Stacey Park	Director, The Structure Group	In Person
J Cade Burks	President, EC Power	In Person
John Williams	Chief Executive Officer and Co-founder, Group 8760 LLC	In Person
SUPPLIER SEGMENT		
Brian Landrum	President, Reliant Energy Retail Services	Absent
Jason Woodward	Director of Business Services, Tractebel Energy Services, Inc.	Absent
V A C A N C Y		Absent
Richard Zelenko	General Manager, Dominion Retail Inc.	Absent
	WHOLESALE ELECTRIC QUADRANT	
END USER SEGMENT		
John A. Anderson	Executive Director, Electricity Consumers Resource Council (ELCON)	Phone
James B. Rouse	Associate Director Energy Policy, Praxair, Inc.	Absent
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	Absent
Michael J. Travieso	People's Counsel, Maryland People's Counsel	Absent
Ron Jackups	Vice President, Cinergy	Absent
Brett Perlman	Commissioner, Public Utility Commission of Texas	Phone
LDC SEGMENT		
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	Absent
Jim Miller	Vice President & General Counsel, Southern Company Services Inc.	Absent
Ted Humann	Senior Vice President Transmission, Basin Electric Power Cooperative	In Person
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Absent
Mark B. Bonsall	Chief Financial Executive/Associate General Manager, Salt River Project	Absent
V A C A N C Y	To be filled from the Competitive Retailer Sub-Segment	
GENERATION SEGMENT		
Forrest E. Reeves	Assistant Administrator, Office of Corporate Operations, Southwestern Power Administration	Absent

Charles W. Severance	Director Bulk Power, Wisconsin Public Service Corporation	Phone
John J. Dellas	Executive Director Electric Restructuring, Consumers Energy	Absent
David McMillan	Director Market Design, Calpine	In Person
Thomas Ingwers	Director, Energy Trading and Contracts, Sacramento Municipal Utility District	Phone
Gloria Ogenyi	Director Energy and Market Policy, Conectiv Energy Supply, Inc.	Phone
TRANSMISSION SEGMENT		
W Terry Boston	Executive Vice President, Tennessee Valley Authority	Phone
Peter Flynn	Vice President Transmission Strategy and Policy, National Grid USA	In Person
VACANCY		
Carroll Waggoner	Sr. Manager Transmission Policy, Sunflower Electric Power Corporation	In Person
John H. Zemanek	Vice President Transmission, Entergy	In Person
Michael Desselle	Director Public Policy, American Electric Power	In Person
MARKETER/BROKER SEGMENT		
Steve Oliver	Vice President of Bulk Power Marketing Transmission Services, Bonneville Power Administration / Power Business Line	Absent
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	In Person
Thomas A. Smith	Manager of Power Marketing, Tri-State Generation & Transmission Association, Inc.	Absent
John Meyer	Vice President – Asset Commercialization, Reliant Energy	In Person
Dowell Hudson	Vice President Special Projects, Energy Markets, Ontario Power Generation	In Person
Joseph Hartsoe	Vice President and Associate General Counsel, American Electric Power Marketing Inc.	Phone
	RETAIL GAS QUADRANT	
DISTRIBUTOR SEGMENT		
Craig White	Acting Chief Operating Officer, Philadelphia Gas Works	Phone
Glen Schwalbach	Assistant Vice President Corporate Planning, Wisconsin Public Service Corp.	In Person
Mark Maassel	Vice President Regulatory & Government Policy, NiSource, Inc.	In Person
Paul Szykman	Manager – Rates & Strategic Planning, UGI Utilities, Inc.	Phone
Joseph F. Bodanza	Senior Vice President for Finance Operations & Regulatory Affairs, KeySpan Energy	Absent
VACANCY		
END USER SEGMENT		
Matthew Parsell	Assistant Director, Natural Gas Division, Indiana Office of Utility Consumer Counselor	Absent
Tina Burnett	Chair, Northwest Industrial Gas Users Association	In Person
VACANCY		
VACANCY		
VACANCY		
VACANCY		

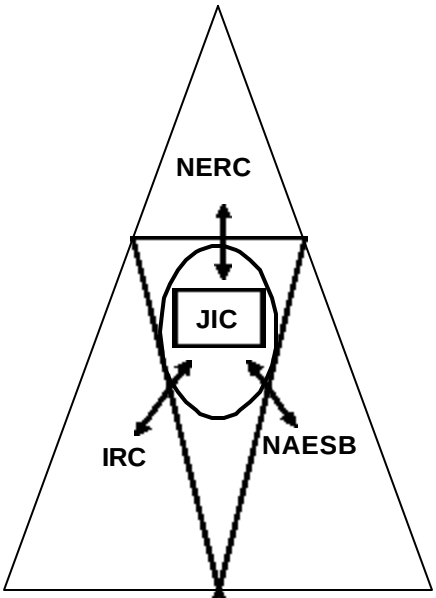
SERVICES SEGMENT		
Leigh Spangler	President, Latitude Technologies Inc.	In Person
David Pfeifer	Vice President – Energy, EnForm Consulting, L.P.	In Person
David Darnell	President & CEO, Systrends Inc.	Absent
Greg Lander	Principal, CapacityCenter.com	Absent
Richard Rudden	President & CEO, RJ Rudden Associates, Inc.	In Person
V A C A N C Y		
SUPPLIER SEGMENT		
Randy Magnani	Director C&I Operations, Amerada Hess Corporation	Absent
V A C A N C Y		
V A C A N C Y		
V A C A N C Y		
V A C A N C Y		
V A C A N C Y		

10. Other Participants

Name	Company	In Person/Phone
Bryan Anderson	Foley & Lardner	In Person
Mike Bray	Shell Gas Transmission	In Person
Kathryn Burch	Duke Energy	Phone
Christopher Burden	Williams Gas Pipeline	In Person
James Cargas	NAESB Deputy Director – Admin.	In Person
Dolores Chezar	KeySpan Energy	Phone
Steve Corneli	NRG Energy	In Person
Dale Davis	Williams Gas Pipeline	In Person
Ed Davis	Entergy Services, Inc.	In Person
Mark Gracey	Tennessee Gas Pipeline	In Person
Mike Grim	TXU	In Person
Theresa Hess	Not Provided	In Person
Sheila Hollis	Duane Morris	Phone
Alan Johnson	Mirant	Phone
Marcy McCain	Duke Energy Gas Transmission	Phone
Rae McQuade	NAESB Executive Director – Admin.	In Person
Todd Oncken	NAESB Deputy Director – Admin.	In Person
Mike Novak	National Fuel Dist.	In Person
Donna Scott	Transwestern Pipeline	In Person
Mark Sellers-Vaughn	Cascade Natural Gas	Phone
Charles Tenorio	Exelon Energy Delivery	Phone
Steve Terelmes	Ameren Energy	In Person
Veronica Thomason	NAESB – Admin.	In Person
Kim Van Pelt	Panhandle Eastern Pipe Line	In Person
Darla Wishart	Checks and Balances	Phone
Charles Yeung	Reliant Energy	In Person

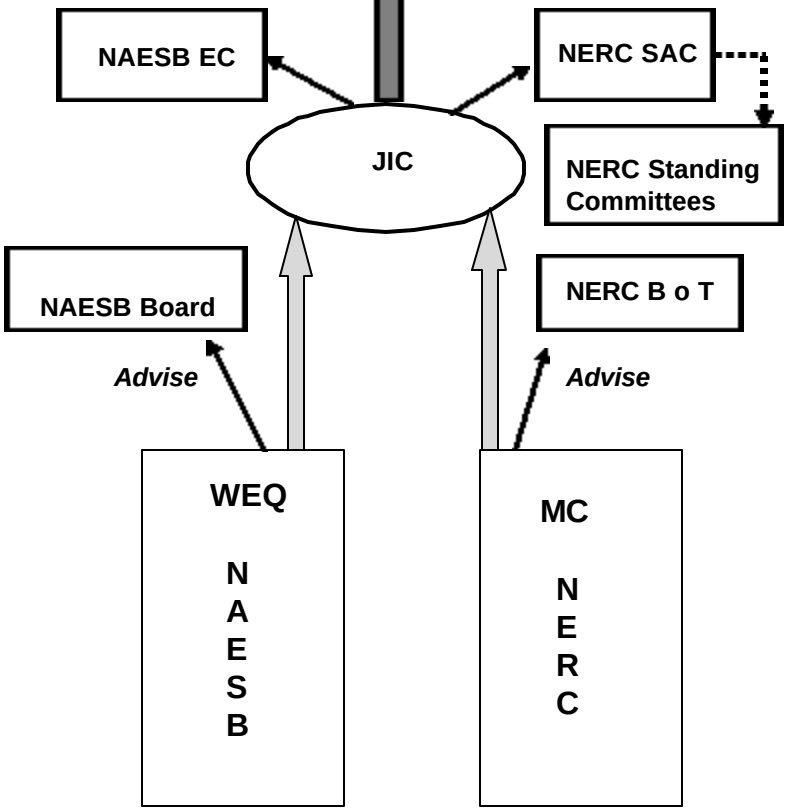
First Tier Coordination*

- **Annual Plans Contemplated under the MOU**
- **Direction of Standards Development to NAESB or NERC**



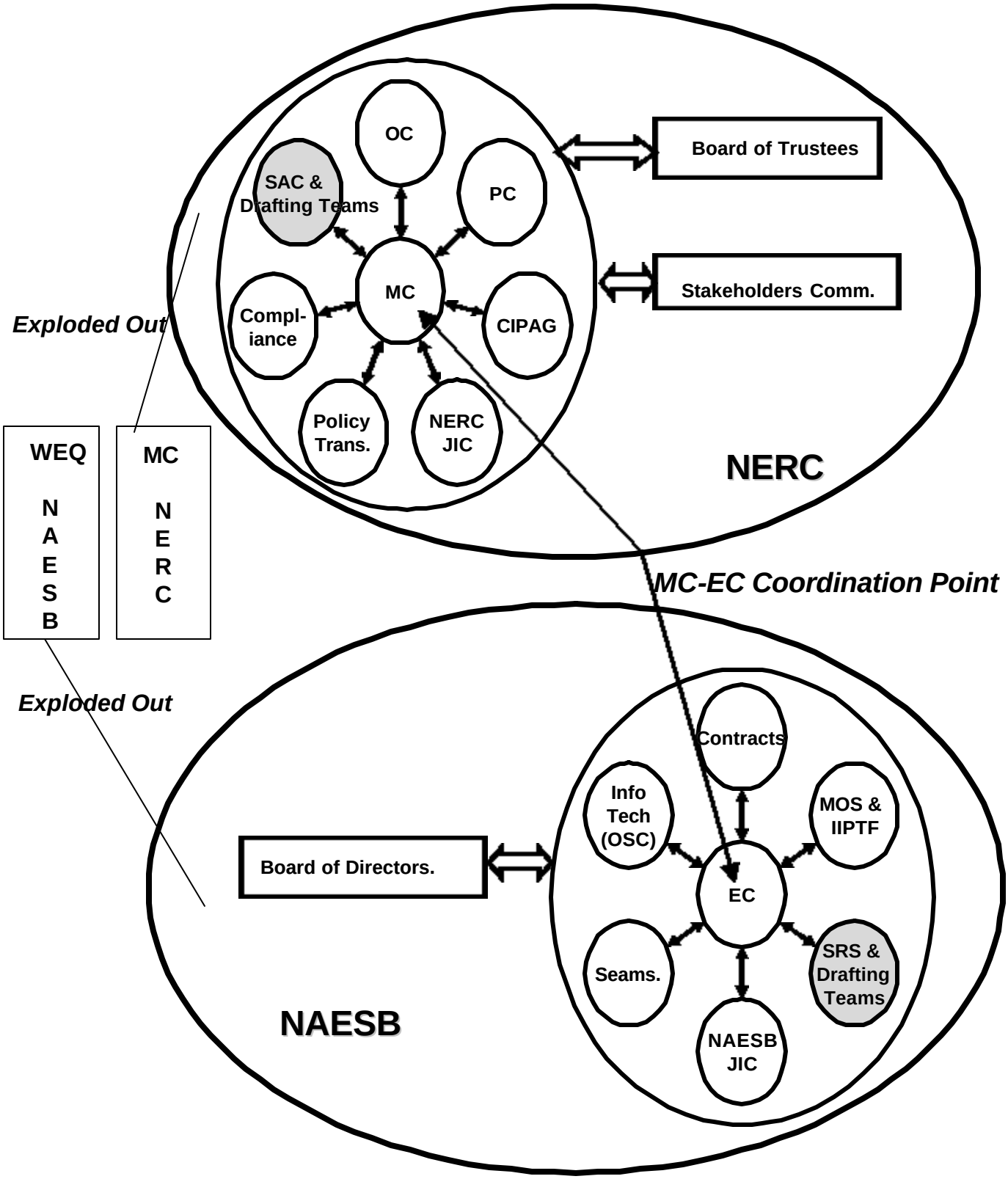
Second Tier Coordination*

- **Development Forum**
- **Coordinating Advisory Group**
- **Supports Pre SAR and Pre Request Development**
- **Coordinate Standards Development and Annual Plan Development**
- **Supports NERC Policies, Procedures and Reports**

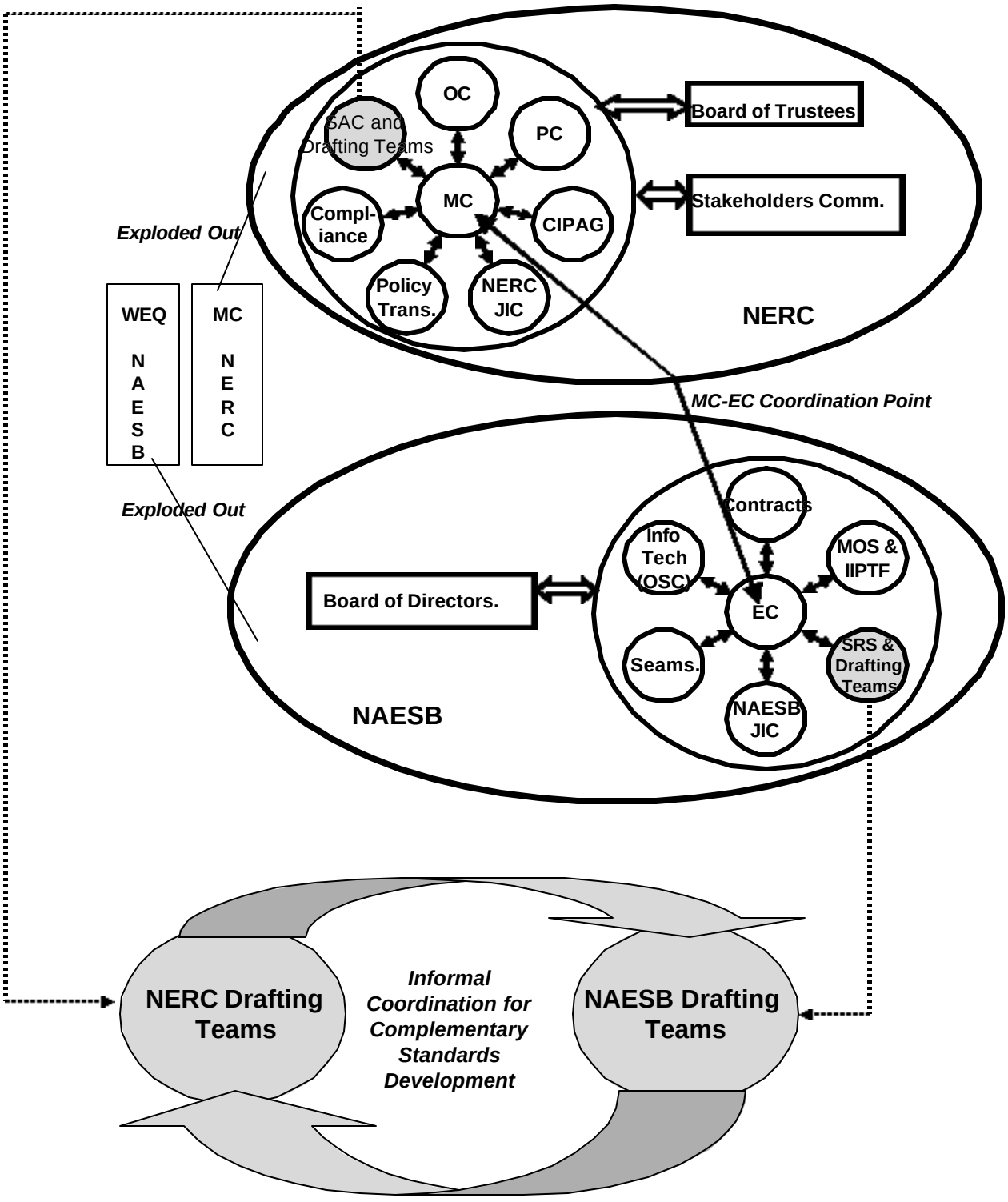


* "Coordination" as used in these documents means "interaction."

Second Tier Coordination Detail



Second Tier Coordination Detail



TAB 4

EXECUTIVE DIRECTOR'S REPORT

North American Energy Standards Board
1301 Fannin, Suite 2350, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@aol.com
Home Page: www.naesb.org

EXECUTIVE DIRECTOR'S REPORT

DECEMBER 4, 2003

Monthly Update Calls – "At A Glance"

We have held five "At A Glance" conference calls with the attendance of several state commissions and federal agencies, and many of our own members. Because of the limited ability of state commission staff traveling to meetings, these one hour conference calls has provided a venue for NAESB-NARUC-Federal Agency communication on our current and planned activities. The calls are held monthly, on the third Thursday of each month at 2:00 pm Eastern. Anyone can call in to these one-hour updates. The notes from the last meeting are attached. We are scheduled for our next call on December 17. The leaders of the "At A Glance" calls (Diane Barney, Lou Ann Westerfield, and Tom Pearce) are working with us, NARUC and the Advisory Council to set up a face-to-face Advisory Council meeting in conjunction with the NARUC winter meeting. The dates have not been finalized, but should be between March 9 -11.

Membership Report

The membership report is attached. Our membership began the year at 390. It has declined to 357. Decline at the end of the year occurs each year as members evaluate their membership needs as membership dues are assessed. With the roll out of the retail model business practices for credit worthiness and billing and payments, we may see an increase in 2004 for the retail quadrants so that they may maintain their requirement to keep 40 members in the quadrant. Similarly with the seams activities and coordination with NERC on transitioning NERC policies to NERC reliability standards and NAESB business practices, there may also be an up tick in membership for the wholesale electric quadrant. Currently, each of the retail quadrants are contributing 11% to the membership numbers, the wholesale gas quadrant is contributing 34% and the wholesale electric is contributing 44%.

Outreach Meetings

Michael Desselle and I have made several outreach efforts since the last Board meeting to ensure that western interests are aware of our activities, know how to become involved if they should choose to do so, and make use of the "At A Glance" and email distribution list to easily monitor our efforts. We met with the Seams Steering Group – Western Interconnection (SSG-WI), Western Energy Coordinating Council (WECC), California Public Utility Commission, California Energy Commission, Northwest Power Planning Council, Los Angeles Department of Water and Power, Western Area Power Administration, RTO West, and West Connect. A report is attached.

NAESB Web Site

We are instituting several changes to the web site to make it easier to track standards development activities and have implemented a search capability. The web site hosted more than 10,000 documents and has an estimated 12,000,000 hits per year. We are in the process of implementing an automatic meeting RSVP function.

NORTH AMERICAN ENERGY STANDARDS BOARD
1301 Fannin, Suite 2350 · Houston, Texas 77002 · **Phone:** (713) 356-0060 · **Fax:** (713) 356-0067
email: naesb@naesb.org · **Web Site Address:** www.naesb.org

October 15, 2003

NAESB AT A GLANCE: MONTHLY UPDATE

COMPLETION OF RETAIL CREDITWORTHINESS MODEL BUSINESS PRACTICES: Jim Minneman, program manager of PPL Solutions and vice chair of the Executive Committee representing the retail electric quadrant, reviewed the creditworthiness model business practices (MBP) which will become final once they are ratified in the next month. The first standards produced jointly by the retail quadrants focus on the relationship between distribution companies and their suppliers. The 44 MBPs are commodity neutral, and generally cover determination of risk, determination of credit limit, options for reconsideration, disqualification and remedies, security instruments, processes for calling on security, and confidentiality of information exchanged. The MBPs were endorsed by the Executive Committee through a unanimous vote. He thanked Supplier-Utility Interface Subcommittee (SUIS) co-chairs, Bill Newbold of DTE Energy and Suzanne Calcagno of USB Warburg Energy, and the participants.

RETAIL BILLING AND PAYMENT MODEL BUSINESS PRACTICES: Jim Minneman continued and reviewed the billing and payment MBPs recently voted out of the Customer Processes Subcommittee (CPS). Once the current public comment period concludes, the Executive Committee is expected to vote on them at its December 10, 2003 meeting, with each quadrant voting separately. Ratification is expected in early 2004. The Technical Electronic Implementation Subcommittee (TEIS) is currently developing a data dictionary to support the 65 MBPs. The MBPs are flexible and designed to facilitate more accurate end-user bills and proper crediting for payments made, even though different jurisdictions have implemented various degrees of restructuring and allow different methods of transmission. Generally, the billing and payment MBPs cover dual billing option, consolidated billing option, single retail supplier billing option (Texas), and payment processing procedures. He thanked CPS co-chairs Rick Alston of Old Dominion Electric Coop and Bill Oppenheim of PECO Energy, and the participants for their efforts.

WHOLESALE GAS QUADRANT 2004 ANNUAL PLAN: Jim Buccigross, Vice President of 8760 and Executive Committee chairman, reviewed the 2004 annual plan to be presented to the Board of Directors at its December meeting. With an active 2003 year concluding, the focus of the 2004 plan calls for 5 significant electronic delivery mechanism (EDM) items: seeking ANSI certification of one standard, reviewing security measures with Sandia National Labs, adoption of public key infrastructure (PKI) if NERC takes up the measure, routine technical and security changes, and the possibility of making the EDM standard to all quadrants. A few other items, including addressing FERC's affiliate order and developing additional creditworthiness standards will remain provisional unless a request is received from FERC.

WHOLESALE ELECTRIC QUADRANT 2004 ANNUAL PLAN: Michael Desselle, Director of Public Policy for AEP and a member of the NAESB Board of Directors serving as the Vice Chair of the Wholesale Electric Quadrant, highlighted several standards that will compliment NERC's reliability standards, including: inadvertent interchange payback, coordinate interchange, coordinate operations, operate within limits, balance resources and demand, and facility ratings. The Information Technology (IT) Subcommittee will continue OASIS work by first considering for adoption FERC Order 638 (Phase I), and FERC ANOPR in Docket No. RM-00-10-000, followed by enhancements to OASIS 1 (OASIS 1A) and possible development for OASIS 2. Efforts underway to catalog seams issues are described below.

RETAIL GAS AND ELECTRIC QUADRANTS 2004 ANNUAL PLANS: Michael Novak, Assistant General Manager for National Fuel Gas Distribution reviewed the 2004 annual plans for both retail quadrants which are similar to each other and lend themselves to continued joint meetings of the subcommittees where appropriate. CPS will take up customer usage information, and customer enrollment and switching MBPs in 2004. The SUIS will take up market participant interactions, distribution company and supplier dispute resolution, and begin examining WEQ and WGQ's non-EDM standards for modification and adoption at the retail level. In addition to the development of a data dictionary, the TEIS will look at electronic transport and development of quadrant specific EDM books. Other issues are not expected to be addressed until 2005.

NORTH AMERICAN ENERGY STANDARDS BOARD
1301 Fannin, Suite 2350 · Houston, Texas 77002 · **Phone:** (713) 356-0060 · **Fax:** (713) 356-0067
email: naesb@naesb.org · **Web Site Address:** www.naesb.org

October 15, 2003

NAESB AT A GLANCE: MONTHLY UPDATE (CONTINUED)

UPDATE ON CREATION OF WEQ SEAMS CATALOG: Michael Desselle reviewed the WEQ Seams Subcommittee's effort at cataloging seams issues. Thus far, 142 entries have been identified. Once duplicates are eliminated, and the catalog is finalized, the Subcommittee will have a focused list to consider in conjunction with NERC and the ISO-RTO Council. The next meeting will be November 4 in Houston, Texas. Participants may also join via conference call.

UPDATE ON WHOLESALE ELECTRIC LIAISONS: Michael Desselle and Rae McQuade, NAESB Executive Director, described efforts underway to improve coordination with other organizations and regulatory bodies, especially in the West, where the two will visit several western states next week. The point of contact with NERC will be their Market Committee, and with RTO/ISO Council their Standards Review Committee. NAESB will begin working with NERC on PKI once NERC issues its E-Mark Report, which is expected soon.

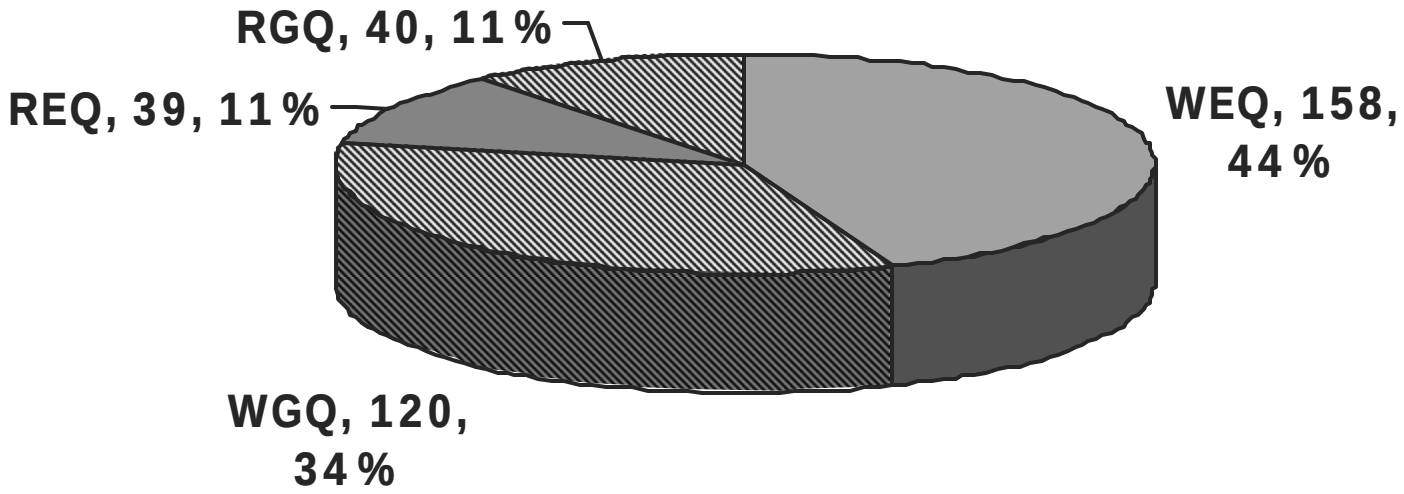
NEXT CONFERENCE CALL: There will not be a November conference call. Therefore, the next conference call is scheduled for December 17, at 2:00 pm eastern. We hope you can join us. If there are particular topics you would like to see covered or would like to receive additional information, please call or email the NAESB Office (713-356-0060, naesb@naesb.org).

North American Energy Standards Board Participant List
October 15, 2003 1:00 PM CT

	Name:	Organization:
1	Rajnish Barua	Maryland Public Service Commission
2	Kirk Bracht	California Public Utilities Commission
3	Donna Daughety	U.S. Bureau of Reclamation
4	Dave Eichenlaub	Virginia State Corp Commission
5	Mark Futrell	Florida Public Service Commission
6	William Heinrich	New York Public Service Commission
7	Wanda Jones	Michigan Public Service Commission
8	Annunciata Marino	Pennsylvania Public Utility Commission
9	Catherine O'Connell	Minnesota Department of Commerce
10	Thomas Pearce	Public Utilities Commission of Ohio
11	Marsha Smith	Idaho Public Utilities Commission
12	Ginger Teubner	Connecticut Dept. of Pub. Util. Control
13	Sheila Ward	Alabama Public Service Commission

	Name:	Organization:
14	Marilyn Adusei-Poku	NiSource
15	Barbara Alexander	State of Maine Public Advocate
16	Don Benjamin	NERC
17	Bill Boswell	NAESB / McGuire Woods
18	Scott Brown	Exelon
19	Kenneth Brown	PSEG
20	Jim Buccigross	Group 8760
21	Kathryn Burch	Duke Energy
22	Jim Busch	BP
23	Yvette Camp	Southern Company
24	Jim Cargas	NAESB
25	Pete Connor	NiSource Distribution Company
26	George Dawe	Duke Energy
27	Michael Desselle	AEP
28	Michele Doyle	Con Edison
29	Peter Flynn	National Grid
30	Ollie Frazier	Duke Power
31	Bruce Garcy	Niagara Mohawk, National Grid Co.
32	Dona Gussow	FL Power and Light Company
33	Leonard Haynes	Southern Company
34	Cathy Heath	Georgia Power
35	Bill Hebenstreit	El Paso Merchant Energy
36	Scott Henry	Duke Power
37	Linda Horn	WE Energies
38	Cecilia Liang-Nicol	Allegheny
39	Rae McQuade	NAESB
40	James Minneman	PPL Solutions
41	Carl Monroe	Southwest Power Pool
42	David Nick	DTE Engery
43	Michael Novak	National Fuel
44	Marjorie Perlman	Energy East
45	Judy Ray	Alabama Power Co.
46	Barbara Rehman	Bonneville Power Administration
47	Donna Scott	TransWestern Pipe Line Co.
48	William Smith	Allegheny
49	Ed Tammy	Florida Power and Light Company
50	Kim Van Pelt	Panhandle Eastern Pipe Line
51	Tina Weatherman	AGL Resources
52	Rich Zelenko	Dominion Retail

North American Energy Standards Board
Board of Directors Meeting – 12/4/03



Membership Profile

November 2003

Total Membership

357

NAESB Membership List – Statistics

as of November 5, 2003

Quadrant/Segment Membership Analysis		Number of Members
WGQ Segments	Total	120
	End Users	19
	Distributors	23
	Pipelines	37
	Producers	12
	Services	29
REQ Segments	TOTAL	39
	End Users	4
	Distributors	20
	Services	10
	Suppliers	5
RGQ Segments	TOTAL	40
	End Users	4
	Distributors	18
	Services	9
	Suppliers	9
WEQ Segments	TOTAL	158
	End Users	16
	Distributors	26
	Transmission	42
	Generation	36
	Marketers	33
	None Specified	5

North American Energy Standards Board Membership List as of November 5 , 2003

Quadrant		Organization	Segment	Contact	Sub-Segment
Retail Electric Quadrant:	1	8760	s	John S. Williams	
	2	Alabama Power	d	John Russom	
	3	Ameren Services Company	d	Patrick Eynon , Peggy Ladd	
	4	American Electric Power	d	Thomas J. Ringenbach	
	5	Baltimore Gas & Electric Co.	d	Ruth Kiselewich	
	6	Calpine Energy Services, LP	su	Janet Dixon	
	7	Cinergy Services, Inc.	d	Paul K. Jett	
	8	Consolidated Edison Company of NY	d	Richard G. Muzikar	
	9	Defense Energy Support Center	e	Lisa Robert	
	10	Detroit Edison Company	d	William J. Newbold, Jr.	
	11	Distribution Control Systems, Inc.	s	H. Ward Camp	
	12	Dominion Retail	su	William Barkas	
	13	Dominion Virginia Power	d	David F. Koogler	
	14	Duke Power	d	N.E. (Ed) Tucker	
	15	EC Power International	s	Judy Bailey	
	16	Electric Reliability Council of Texas (ERCOT)	s	Sam R. Jones	
	17	Energy East Management Corporation	d	Eric Wilen	
	18	Exelon Energy Delivery	d	Charles Tenorio	
	19	Foley & Lardner	s	Bryan S. Anderson	
	20	Georgia Power Company	d	Michael Garrett	
	21	Gulf Power Company	d	Joel Thomas Kilgore	
	22	LCEC, Inc.	d	William F. Htherington	
	23	MidAmerican Energy	d	James E. Wilson	
	24	Office of Public Advocate, State of Maine	e	Barbara Alexander	
	25	Ohio Consumers Council	e	Randy Corbin	
	26	Pennsylvania Office Of Consumer Advocate	e	Tanya J. McCloskey	
	27	PMO Link, Inc.	s	Geoffrey Hingle	
	28	PPLSolutions, LLC	s	James M. Minneman	
	29	Public Service Electric & Gas	d	Terrence Moran	
	30	Reliant Energy Retail Services, LLC	su	Barbara Penkala	
	31	Savannah Electric and Power Company	d	Karen L. Prentice	
	32	SchlumbergerSema	s	George C. Roberts	
	33	Southern California Edison	d	Gail Higashi	
	34	Southern Company Services	s	Mark S. Jarrett	
	35	Structure Group	s	Stacey Park	
	36	Tractebel Energy Services, Inc.	su	Jason R. Wooward	
	37	TXU Energy Retail	su	Felecia Lokey	
	38	Wisconsin Electric	d		
	39	Wisconsin Public Service Corporation	d	William L. Bourbonnais	
Wholesale Gas Quadrant:	1	8760	s	John Williams, Jim Buccigross	
	2	AEP Energy Services, Inc.	s	Cathy Szasz	
	3	AIG Energy Trading	s	Carl Peterson	
	4	Ameren Corporation	l	Scott Glaeser	
	5	Apache Corporation	pr	Michele Markey	
	6	Aquila Energy	s	Scott Eckerman	
	7	Arizona Public Service Company	e	Gary Duede , Kelly Daly	
	8	Ballard Natural Gas, LLC	s	Susan Thibodeaux	
	9	Baltimore Gas & Electric Co.	l	Ashish Mehta	
	10	BG LNG Services, LLC	s	Martha Braddy	

Quadrant		Organization	Segment	Contact	Sub-Segment
	11	Boeing Co.	e	Tina Patton	
	12	BP Energy	pr	Bill Benham	
	13	Bridgeline Gas Marketing	pl	Georgia Blanchard	
	14	Burlington Resources	pr	Paul Keeler	
	15	Calpine Energy Services, LP	e	Janet Dixon, Craig Chancellor	
	16	Cargill Incorporated	s	Kathy Gerken	
	17	Cascade Natural Gas Corporation	l	Mark Sellers-Vaughn	
	18	CenterPoint Energy Gas Resources Corp.	s	James G. Beste	
	19	CenterPoint Energy Gas Transmission Company	pl	Larry Thomas	
	20	CenterPoint Energy Mississippi River Transmission Corporation	pl	Robert Trost	
	21	Chevron/Texaco	pr	Randy Mills	
	22	Cinergy	e	John Procario	
	23	Cinergy Marketing and Trading	s	Randy Bevis	
	24	CMS Panhandle Eastern Pipe Line Co.	pl	William Grygar, Kim Van Pelt	
	25	Columbia Gas Transmission	pl	Steve Melton	
	26	Columbia Gulf Transmission Co.	pl	Chris Maturo	
	27	Comprehensive Energy Services	e	Jim Templeton	
	28	Consolidated Edison Company of NY	l	Mary Jane McCartney	
	29	Dauphin Island Gathering Partners	pl	Katie Rice	
	30	Defense Energy Support Center	e	Veronica Jones, Jacob Moser	
	31	Department of Energy	e	Christopher Freitas	
	32	Dominion Exploration and Production, Inc.	pr	David Ogden	
	33	Dominion Resources (Previously CNG)	l	William Boswell	
	34	Dominion Transmission, Inc.	pl	Gary Sypolt	
	35	DTE Energy Trading, Inc	s	Marcia Hissong	
	36	Duke Energy Gas Transmission- Texas Eastern	pl	Richard Kruse	
	37	Edison Mission Marketing and Trade	e	Christian Hnat, William Roberts	
	38	El Paso East Pipeline	pl	Larry Smith	
	39	El Paso Natural Gas	pl	John Somerhalder	
	40	El Paso Oil and Gas	pr	Art Slagle	
	41	Elite Computer Consultants	s	Wayne Holtkamp	
	42	Enbridge Pipelines	pl	Joan Schnepp	
	43	EnCana Marketing (USA) Inc.	s	Keith Sappenfield	
	44	EnCana Corporation	pr	Keith Sappenfield	
	45	The Energy Authority, Inc.	s	Marsha Sebert	
	46	Energy East Management Corporation	l	Marjorie Perlman	
	47	Energy Velocity	s	Konni Keuter	
	48	Entergy Services, Inc.	e	Arlynn Kelleher, Terry Shields	
	49	Equitable Gas Company	l	Steve Rafferty	
	50	Equitrans, L.P.	pl	Mina Speicher	
	51	ExxonMobil Gas Marketing	pr	Richard Smith	
	52	Florida Power & Light Company	e	Dona Gussow, Joe Stepenovitch	
	53	Great Lakes Gas Transmission	pl	Gene Fava	
	54	Gulf South Pipeline	pl	Claire Burum	
	55	H S Resources Inc.	pl	Carol Hall	
	56	Hatch Associates Limited	s	Dan McEvoy	
	57	Imperial Irrigation District	e	Javier Esparza	
	58	IPNet Solutions, Inc.	s	Bisher Ahdab	
	59	Iroquois Gas Transmission System	pl	Tom Gwilliam	
	60	Kern River Gas Transmission Company	pl	Janie Nielsen	
	61	Key Span Energy	l	Dolores Chezar	
	62	Laclede Gas Co.	l	Kenneth Neises	
	63	Latitude Technologies	s	Leigh Spangler	

Quadrant	Organization	Segment	Contact	Sub-Segment
64	Louis Dreyfus Energy Services L.P.	s	Mary Ellen Bell	
65	Lower Colorado River Authority	e	Mickey Bell	
66	Marathon Oil Company	pr	Robin Perrine	
67	Mewbourne Oil Company	pr	Michael F. Shepard	
68	Midland Cogeneration Venture	e	Lee Smith	
69	National Fuel Gas Distribution	l	Michael Novak	
70	National Fuel Gas Supply Corp.	pl	Dave Reitz	
71	Natural Gas Pipeline Co of America	pl	Paul Love	
72	Niagra Mohawk Power Corporation	l	Bruce Garcy	
73	Nicor Gas	l	Nancy Brucher	
74	NiSource Inc.	l	M. Christopher Maturo	
75	Northern Natural Gas	pl	Mary Darveaux	
76	Northwest Natural Gas Company	l	Randolph Friedman	
77	NOVA Gas Transmission Ltd.	pl	Doug Miller	
78	Occidental Energy Marketing Inc. (OEMI)	pr	Carol Wilson	
79	Ocean Energy Inc.	pr	Veronica L. Cavazos	
80	Pacific Gas & Electric	l	John Breen	
81	PECO Energy Co.	l	Reed Horting	
82	Peoples Gas Light & Coke Co.	l	Raulando de Lara	
83	PG&E Energy Trading	s	Lyn Maddox	
84	PG&E Gas Transmission	pl	Jay Story	
85	Platts	s	Bill Murphy	
86	Portland Natural Gas Transmission System	pl	David Morgan	
87	PPL EnergyPlus, LLC	e	Anne Lovett	
88	PPM Inc.	e	Scott Hannigan	
89	Public Service Electric & Gas	l	David Wohlfarth	
90	Questar Pipeline Co.	pl	Scott Hansen	
91	Quorum Business Solutions Inc.	s	Douglas Allen	
92	Reliant Energy Services, Inc.	e	Gary Hinners, John Orr	
93	Sabine Pipe Line LLC	pl	Jan Rogers	
94	Salt River Project Agricultural Improvement & Power District	e	Diane McVicker	
95	SCANA Corporation	pl	Jacquelyn Gettle	
96	Sempra Energy - Southern California Gas Co.	l	Lee Stewart	
97	Sequent Energy Management, L.P.	s	Pat Metteauer	
98	Shell Gas Transmission, LLC	pl	Chuck Cook	
99	Southern Company	e	Carl Haga	
100	Southern Natural Gas Co.	pl	Prince McDougal	
101	Southern Star Central Gas Pipeline	pl	James L. Harder	
102	Southwest Gas Corporation	l	Larry Black	
103	SunGard Energy Systems	s	Maria Onufrow, Jennifer Chen	
104	Telvent USA, Inc.	s	Glenn Irwin	
105	Tennessee Valley Authority	e	Valerie Crockett	
106	Texas Gas Transmission, LLC	pl	Jeff Bittel	
107	Tiger Natural Gas	s	Tracy Phillips	
108	Tractebel Energy Marketing, Inc.	s	Mark Hodges	
109	TransCanada Pipelines	pl	Doug Miller	
110	Transwestern Pipeline Co.	pl	Donna Scott	
111	Trinity Apex Solutions, Inc.	s	Cheryl Campbell	
112	TXU Energy Trading Co.	s	Ellen Dailey, Brad Jones	
113	TXU Lone Star Pipeline Company	pl	Steve Easley	
114	UBS Warburg Energy	s	Suzanne Calcagno	
115	Vector Pipeline L.P.	pl	Amy Bruhn	
116	Washington Gas Light Co.	l	Tim Sherwood	

Quadrant		Organization	Segment	Contact	Sub-Segment
	117	Westfield Gas & Electric Light Dept.	l	Joyce Bodak	
	118	Williams Gas Pipeline	pl	Dale Davis	
	119	Williston Basin Interstate Pipeline	pl	Keith Tiggelaar	
	120	Wisconsin Public Service Corporation	l	Patrick Fox	
Wholesale Electric Quadrant:	1	ACES Power Marketing LLC	m	Roy J. True	muni
	2	Alabama Electric Cooperative, Inc.	d	Kenneth J. Skroback	muni
	3	American Electric Power Marketing, Inc.	m	Barbara Radous	iou
	4	American Electric Power Service Corp.	d	Thomas Ringenbach	iou
	5	American Electric Power Service Corp.	t	John Stough	iou
	6	American Municipal Power - Ohio, Inc.	d	Pat Frazier, Chris Norton	muni
	7	American Transmission Company LLC	t	Dale Landgren, Julie Voeck	itc
	8	Arizona Public Service Company	t	Mark W. Hackney	
	9	Arizona Residental Utility Consumer Office	e	Lindy Funkhouser	comres
	10	Arkansas Electric Cooperative Corporation	g	Ricky Bittle	muni
	11	Avista Corp.	t	Scott A. Waples	
	12	Baltimore Gas & Electric Company	t	John J. Moraski, Ralph Bourquin	iou
	13	Basin Electric Power Cooperative	t	Dan Klempel	muni
	14	Basin Electric Power Cooperative	m	David Raatz	nd
	15	Basin Electric Power Cooperative	g	Jason Doerr	muni
	16	Basin Electric Power Cooperative	d	Ted Humann	muni
	17	Boeing Company	e	Steve LaFond	lind
	18	Bonneville Power Administration	d	Sydney D. Berwager	other
	19	Bonneville Power Administration	g	Fran Halpin	fed
	20	Bonneville Power Administration	m	Brenda Anderson	fed
	21	Bonneville Power Administration	t	Barbara Rehman	fed
	22	BP America Inc.	e	Jeanne Zaiontz	lind
	23	BP Energy Company	m	Jeanne Zaiontz	
	24	Buckeye Power, Inc.	d	Peter H. Buros	nd
	25	Calpine Corporation	g	William Taylor	merc
	26	Cap Gemini Ernst and Young	m	Stephen A. Behrens	niou
	27	Central Electric Power Cooperative	d	C. Pinckney Roberts, Arthur Fusco	muni
	28	ChevronTexaco Energy Research and Technology	e	Carol Guthrie	sgen
	29	Cinergy	e	Paul Jett	enduse
	30	Cinergy	g	Walt Yeager	iou
	31	Cinergy	m	Walt Yeager	iou
	32	Cleco Power, LLC	t	Keith Comeaux	iou
	33	Columbus Southern Power Company	g	Barbara Radous	merc
	34	Comprehensive Energy Services	e	Jim Templeton	enduse
	35	Conectiv Energy Supply, Inc.	g	Gloria Ogenyi	merc
	36	Conectiv Energy Supply, Inc.	m	Gloria Ogenyi	iou
	37	Conectiv Power Delivery	t	Ken Gates	iou
	38	Consolidated Edison Co, of New York, Inc.	t	Joseph P. Oates	iou
	39	Consolidated Edison Co, of New York, Inc.	d	Terry Agriss	iou
	40	Constellation NewEnergy, inc.	d	Sara O'Neill	comp ret
	41	Consumers Energy Company	d	Steven L. Gaarde	iou
	42	Consumers Energy Company	g	Steven L. Gaarde	iou
	43	Dairyland Power Cooperative	t	Bruce Staples	muni
	44	Department of the Interior, Bureau of Reclamation	g	Deborah M. Linke	fed
	45	Detroit Edison	d	David G. Nick	iou
	46	Dominion Energy Marketing, Inc.	g	Lou Oberski	iou
	47	Duke Energy Corp.	d	Ollie Frazier	iou

Quadrant		Organization	Segment	Contact	Sub-Segment
	48	Duke Energy North America	g	Bill Blevins	merc
	49	Duke Energy North America	m	Mike Gildea	iou
	50	Dynegy Marketing and Trade	m	Jason Cox	niou
	51	Edison Electric Institute	n	David Owens, Dave Dworzak	n
	52	El Paso Corporation	g	Dennis M. Price	merc
	53	El Paso Merchant Energy	m	Sam Beason	niou
	54	Electric Reliability Council of Texas (ERCOT)	n	Sam R. Jones	n
	55	Electricity Consumers Resource Council (ELCON)	e	John Anderson	lind
	56	EnCana Midstream	e	Keith Sappenfield	lind
	57	Energy East Management Corporation	t	Marjorie Perlman	iou
	58	Entergy Services, Inc.	t	Edward J. Davis	iou
	59	Entergy Services, Inc.	m	F. Jay Poche	iou
	60	Exelon Corporation - PECO Energy	d	John F. Leonard, Jr.	iou
	61	Exelon Energy Delivery	t	John Blazekovich	iou
	62	Exelon Generation - Power Team	m	Linda Clarke	iou
	63	Exelon Generation Company LLC	g	Regina Carrado	iou
	64	ExxonMobil Gas Marketing	e	Steve Sayuk	sgen
	65	Florida Municipal Power Agency	g	Rick Casey	muni
	66	Florida Municipal Power Agency	d	Steven H. McElhaney	muni
	67	Florida Power & Light Company	m	Joe Stepenovitch	iou
	68	Florida Power & Light Company	t	Marty Mennes	iou
	69	Georgia Transmission Corporation	t	Carol Hester	muni
	70	Hydro One Networks	t	Dave Barrie	itc
	71	Hydro – Quebec Transenergie	t	Victor Bissonnette	
	72	Indiana Muncipal Power Agency	g	Dick Foltz	muni
	73	Maryland Peoples Counsel	e	Michael J. Travieso	comres
	74	Michigan Electric Transmission Company LLC	t	Charles V. Waits	itc
	75	Michigan Public Power Agency	d	James R. Nickel, Daniel E. Cooper	muni
	76	Midwest Independent Transmission System Operator+J96	n	Bill Phillips	n
	77	Mirant Corp.	m	Susann D. Felton	niou
	78	Missouri River Energy Services	d	Brian Zavesky	
	79	Modesto Irrigation District	t	Roge Van Hoy	muni
	80	National Association of Regulatory Utility Commissioners	E	Lou Ann Westerfield	
	81	National Grid USA	t	Masheed Rosenqvist	itc
	82	National Rural Electric Cooperative Assoc.		Barry Lawson	
	83	New York State Dept. of Public Service	e	William Heinrich	reg
	84	North Carolina Eastern Municipal Power Agency	g	Jessie C. Tilton III	muni
	85	North Carolina Electric Membership Corporation	d	David Beam	muni
	86	North Carolina Electric Municipal Power Agency #1	m	Clay A. Norris	muni
	87	North Carolina Electric Municipal Power Agency #1	d	Andrew Fusco	muni
	88	Northeast Utilities Service Company	t	David Boguslawski, William P. McKinnon	iou
	89	NRG Power Marketing, Inc.	g	Steve Corneli	merc
	90	Oglethorpe Power Corporation	g	Billy Ussery	muni
	91	Ohio Consumers' Counsel	e	John Smart, Randy Corbin	comres
	92	Old Dominion Electric Cooperative	g	James N. Kimball	muni
	93	Oncor	t	Ellis Rankin	iou
	94	Ontario Power Generation	g	Barry Green	merc
	95	Ontario Power Generation	m	Dowell Hudson, JoAnne Magnante	niou
	96	Open Access Technology International, Inc.	e	Kevin Burns	
	97	PacifiCorp	d	Alec Burden	iou
	98	PacifiCorp	m	Edison G. Elizeh	iou
	99	PacifiCorp	g	Greg Maxfield	iou
	100	PacifiCorp	t	Jim Hicks	iou

Quadrant		Organization	Segment	Contact	Sub-Segment
	101	PacifiCorp Power Marketing, Inc.	g	Don Winslow	merc
	102	PacifiCorp Power Marketing, Inc.	m	Don Winslow	iou
	103	PG&E National Energy Group	m	Dede Hapner	iou
	104	Platte River Power Authority	t	Terry L. Baker	
	105	PPL Electric Utilities Corporation	t	Ray Mammarella	iou
	106	Portland General Electric	m	Terri Peschka	iou
	107	Portland General Electric	t	Frank Afranji	iou
	108	Praxair, Inc.	e	James B. Rouse	lind
	109	Progress Energy	d	Benjamin Crisp	iou
	110	Progress Energy	g	Philip Lewis	iou
	111	Progress Energy	m	Micheal Settlage	iou
	112	Progress Energy	t	Verne Ingersoll	iou
	113	PSEG Energy Resources and Trade LLC	m	James D. Hebson	iou
	114	PSEG Power LLC	g	Grgory Eisenstark	merc
	115	Public Service Electric and Gas Company	d	Colin J. Loxley	nd
	116	Public Service Electric and Gas Company	t	Jeffrey C. Mueller	nd
	117	Public Utility District No. 1 of Chelan County	m	Doug Frazier	
	118	Puget Sound Energy, Inc.	t	George Marshall, Bob Harshbarger	niou
	119	Reliant Energy HL&P	t	Paul Rocha	iou
	120	Reliant Energy Power Generation	g	John Simpson	merc
	121	Reliant Energy Services, Inc.	m	Charles Yeung	niou
	122	Sacramento Municipal Utility District	g	Thomas Ingwers	muni
	123	Salt River Project Agricultural Improvement and Power District	d	Wendy Weathers	other
	124	Salt River Project Agricultural Improvement and Power District	g	David P. Slick	fed
	125	Salt River Project Agricultural Improvement and Power District	m	John D. Coggins III	fed
	126	Salt River Project Agricultural Improvement and Power District	t	Steve Cobb	fed
	127	Seminole Electric Cooperative, Inc.	g	Lane Mahaffey	muni
	128	Seminole Electric Cooperative, Inc.	t	Glenn Spurlock	muni
	129	Southeastern Power Administration	g	Bob Goss	fed
	130	Southern California Edison	t	Ronald D. Nunnally	iou
	131	Southern Company Services, Inc.	d	Garey Rozier	iou
	132	Southern Company Services, Inc.	g	Tony A. Reed	iou
	133	Southern Company Services, Inc.	m	Joel Dison	iou
	134	Southern Company Services, Inc.	t	R.D. (Dean) Ulch	iou
	135	Southwest Transmission Cooperative, Inc.	t	Larry D. Huff	muni
	136	Southwest Power Pool	n	Carl Monroe	n
	137	Southwestern Power Administration	g	Forrest E. Reeves	fed
	138	Southwestern Power Administration	t	Stanley L. Mason	fed
	139	Sunflower Electric Power Corporation	t	L. Christian Hauck, Carroll Waggoner	muni
	140	Tenaska, Inc.	g	Scott Helyer	
	141	Tennessee Valley Authority	d	Ron L. Owens	other
	142	Tennessee Valley Authority	g	William F. Irish	fed
	143	Tennessee Valley Authority	m	Gary L. Jackson	fed
	144	Tennessee Valley Authority	t	Mitchell Needham	fed
	145	Texas Public Utility Commission	e	Brett Perlman	reg
	146	TRANSlink Development Company LLC	t	Audrey Zibelman	itc
	147	Tri-State Generation and Transmission Association, Inc.	t	Bruce Sembrick	muni
	148	Tri-State Generation and Transmission Association, Inc.	m	Thomas A. Smith	muni
	149	TXU Energy Trading	m	Brad Jones, Jeff Shorter	iou
	150	UBS Warburg Energy	m	Suzanne Calcagno	niou
	151	Vermont Public Power Supply Authority	g	William J. Gallagher	muni
	152	Western Area Power Administration	t	Mark Fidrych	fed
	153	Western Area Power Administration	m	Jeffrey Ackerman	fed

Quadrant		Organization	Segment	Contact	Sub-Segment
	154	We Energies	d	Linda Horn	iou
	155	We Energies	g	James R. Keller	iou
	156	Wisconsin Public Power Inc.	d	Mike Stuart	muni
	157	Wisconsin Public Service Corporation	g	William Bourbonnais	iou
	158	Xcel Energy Inc.	m	Steven J. Beuning, Steve Peluso	iou
Retail Gas Quadrant:	1	AGL Resources Inc.	d	Tina Weatherman	
	2	Amerada Hess Corporation	su	Randy Magnani	
	3	Baltimore Gas & Electric Company	d	Steve Zavodnick	
	4	CapacityCenter.com	s	Greg Lander	
	5	Center Point Energy Minnegasco	su	Andrea Newman	
	6	Consolidated Edison Co, of New York, Inc.	d	Michele Doyle	
	7	Dominion Retail, Inc.	su	Richard A. Zollars	
	8	Duke Energy Gas Transmission, LLP	su	Richard Kruse	
	9	Energy East Management Corporation	d	Eric Wilen	
	10	Energy Services Group, Inc.	s	George Behr	
	11	EnForm Consulting, L.P.	s	David F. Pfeifer	
	12	Exelon Energy	su	Barb Fatina	
	13	Indiana Office of Utility Consumer Counselor	e	Matthew Parsell	
	14	KeySpan Energy Delivery	d	Nancy Cianflone	
	15	Latitude Technologies	s	Leigh Spangler	
	16	Michigan Consolidated Gas Company	d	Bernard Kramer	
	17	National Fuel Gas Distribution Corporation	d	Walter DeForest	
	18	New Science Partners	s	Rod Sipe	
	19	Niagara Mohawk	d	James Dillon, Janice Bailey	
	20	NiSource Inc.	d	Dorothy Hawkins, Mark T. Maassel	
	21	Northwest Industrial gas Users	e	Paula E. Pyron	
	22	Ohio Consumers' Counsel	e	Dirken D. Winkler, John Smart, Bruce M. Hayes	
	23	Pennsylvania Office of Consumer Advocate	e	Tanya J. McCloskey, Stephen Keene	
	24	Peoples Gas System	d	Rachel Gebhardt	
	25	Philadelphia Gas Works	d	Bob Cave, Joe Stengel	
	26	PMO Link, Inc.	s	Geoffrey Hingle	
	27	Public Service Electric & Gas Company	d	Mike Coyle	
	28	R. J. Rudden Associates	s	John Charbonneau, Richard J. Rudden	
	29	Shell Energy Services	su	Harry Kingerski	
	30	Southwest Gas Corporation	d	Ed Gieseking	
	31	Stand Energy Corporation	su	John M. Dosker	
	32	Sweet Strategies	s	David Sweet	
	33	Systrends	s	Dave Darnell	
	34	TXU Energy Retail	su	Felecia Lokey	
	35	UBS Warburg Energy	su	Suzanne Calcagno	
	36	UGI Utilities, Inc.	d	Paul Szykman	
	37	Union Gas	d	Dave Arnot	
	38	Washington Gas Light Company	d	Adrian P. Chapman, Kenneth W. Yagelski, Samiah Bahhur	
	39	Wisconsin Public Service Corporation	d	William Bourbonnais, Glen R. Schwalbach	
	40	Xcel Energy	d	Don Basler	

North American Energy Standards Board

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via email

TO: NAESB Managing Committee

FROM: Rae McQuade, NAESB Executive Director
Michael Desselle, NAESB Vice Chair of the Wholesale Electric Quadrant

RE: **Western United States Trip Report**

DATE: October 27, 2003

Dear NAESB Managing Committee,

Michael and I spent last week visiting several organizations and state agencies regarding NAESB activities, focusing on a high level overview of our organization, the accomplishments of 2003 and the plans for 2004. The goal of these meetings was to emphasize to the west that we could support their objectives with our standards, and that we strongly encouraged their participation – through active participation when they deemed it appropriate, or through monitoring.

We stressed that from the wholesale electric perspective, 2003 was primarily a year for building the structures to move forward on standards development, and that 2004 will be very active for standards development, which we area already beginning to see. We highlighted the ability for standards to reflect regional or operational differences, the restriction of our organization against advocacy of standards in front of regulatory bodies, and we noted that an easy way to monitor our organization is through the monthly update calls that were originally intended for state commission staff but has grown to be used by our own membership and others as a monitoring mechanism. From a retail perspective, we noted that both retail gas and retail electric quadrants were working together with the goal of creating joint model business practices – and that the creditworthiness standards and the billing and payments standards should be released within the first quarter of 2004.

Below is a listing of the meetings with specific observations made by the attendees:

Los Angeles Department of Water & Power **Tuesday, October 21, 2003**

Met With: Dominick Rubalcava, President

Henry Martinez, Assistant General Manager for the Power Side

Observations:

- They strongly support the ability to reflect regional differences as the needs for LA may differ not only from other states and regions, but also from the rest of California.
- The voluntary nature of the standards is critical, as is the process used to develop those standards. The openness and the accreditation by ANSI of our organization as a SDO are crucial to the credibility of our work product.
- They are very interested in contracts and use the NAESB Gas Contract. They were under the impression that the EEI contract was a NAESB standard. We explained the activities that led to our organization not proceeding with the adoption of the EEI contract. They noted that they would look with interest if we determined to adopt the contract in the

future. It should be noted that they brought this topic up without our mentioning it first.

- They are interested in the creditworthiness model business practices our organization recently developed. They think this would be a worthwhile effort on the wholesale electric side.
- They actively follow both the federal efforts on SMD and the state efforts on MD02. They have concerns that if mandated, these actions could negatively impact LA.
- They noted that some groups may be considering leaving the region and setting up their own RTO. They highlighted this as evidence that the marketplace is in flux and mandates may not be appropriate.
- They were very supportive of our efforts and organizational structure. They looked forward to monitoring our activities through the monthly update calls.

California Energy Commission **Wednesday, October 22, 2003**

Met With: Chairman William Keese

Also attending were Al Garcia, Rick Buckingham, Mike Smith, Advisor to Commissioner James D. Boyd.

Observations:

- They were very supportive of our organizational structure and activities. They noted that the ANSI accreditation gave our organization the credibility to draft standards.
- They expect California utilities to become more active in their state and very interested in any standards or model business practices that support financial transactions and creditworthiness to aid them in prudency reviews.
- They too brought up contracts before we noted such and were very interested in NAESB developing a bilateral contract. With the expected activity for California, they expect that such a document endorsed by NAESB would be a valuable tool.
- They look forward to learning about the retail model business practices for creditworthiness and billing and payments at the winter NARUC meeting.
- They have already developed and adopted extensive rules for the retail electric market that may be applicable to our efforts. As several California companies participate already, some of those rules may be reflected in our model business practices.
- They will monitor our activities via the monthly update calls.

North American Energy Standards Board

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California Public Utility Commission **Thursday, October 23, 2003**

Met With: Commission President Michael Peevey

Also attending were Executive Director Bill Ahern, Director Barbara Hale, and Roosevelt Grant

Observations:

- They supported our organization, its structure and a process that has been endorsed by ANSI.
- Similar to the CEC, they are interested in the retail model business practices for creditworthiness.
- They were also under the impression that the EEI contract was a NAESB product developed through NAESB's standards process. They would be interested in the bilateral contract being developed through NAESB. We noted why it is not on our 2004 annual plan due to lack of resources.
- They were pleased to learn that they could ask us to develop business practices to support their needs.
- They expect to monitor our activities through the monthly update meetings.

Western Area Power Administration **Friday, October 24 ,2003**

Met With: Administrator Michael Hacskaylo

Also attending were Robert Fullerton, Mark Fidrych, Jeff Ackerman, Mark Meyers.

Observations:

- They supported our organization, its structure and a process that has been endorsed by ANSI.
- They believe that the coordination between NERC and NAESB is working although perhaps not as shown in our "flower" charts. They expect the coordination to become more streamlined over the next year.
- They hope that the Inadvertent Interchange Payback task force will bring some stability to an area that is causing them problems now – where the baseline data to be used to determine inadvertent interchange cannot be agreed upon by the parties.
- They do not want a NAESB bilateral agreement, even if it takes the place of the EEI agreement. Right now they use the WSPP agreement and expect that if NAESB endorses and replaces the EEI contract, the NAESB contract will have more credibility and outreach to potential users of the agreement – thus increasing their level of support to address both the WSPP agreement and the NAESB one as well. Right now, neither they nor their customers use the EEI contract. They would not support any action that would give credibility to another agreement.

- They do already participate via Mark Fidrych and monitor our other activities via the monthly update calls.

Best Regards,

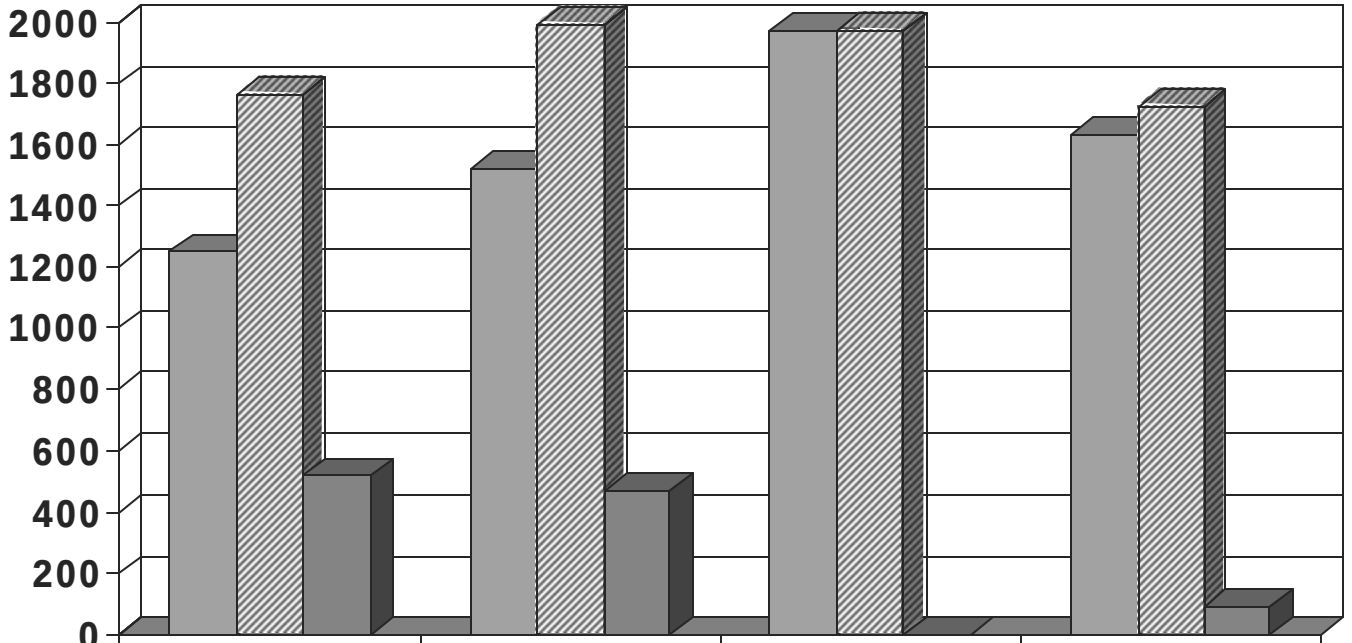
Rae

TAB 5

FINANCIAL REPORT

North American Energy Standards Board
Board of Directors Meeting – 12/4/03

Accrual Based with Actuals as of September 2003



	Actuals	Budget	YE Budget	YE Outlook
Expenses	1247	1526	1975	1634
Income	1765	1994	1975	1725
Net Income	518	468	0	91

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Financial Report As Of September 2003

BALANCE SHEET

Assets	
Current Assets	$642,817
Accounts Receivable	$444,892
Fixed Assets	$40,514
Total Assets	$1,128,223
Liability & Equity	
Accounts Payable	$123,974
Deferred Revenue	$744,916
Retained Earnings	($283,811)
Net Income	$543,144
Total Liability and Equity	$1,128,223
Accounts Receivable Analysis	$444,892
Items more than 90 days past due	$10,000
Items 31-90 days outstanding	$329,892
Items Paid since end of September	$50,000
Credit Memos Written since end of September	$45,000

INCOME AND EXPENSE

Income	$1,764,712
Expense	$1,221,569
Net Income	$543,144

INCOME AND EXPENSES TO BUDGET

2003 Budget	$1,975,500
Expected expenses per month excluding January	$150,000
Year End Revenues Analysis	$1,725,238
Year End Expenses Analysis	$1,634,722
Expected YE Net Income	$90,516
YE 2002 Retained Earnings	($283,811)
YE Expected Retained Earnings for 2003	($193,295)

NORTH AMERICAN ENERGY STANDARDS BOARD

Resolution Regarding Adoption of Proposed Budget for 2004

WHEREAS, the Executive Director of the North American Energy Standards Board ("NAESB") has presented a proposed budget for 2004 to the Managing Committee for review and action; and

WHEREAS, the Managing Committee has voted favorably on the proposed budget for 2004 attached hereto as Appendix A;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of NAESB hereby adopts the proposed budget for 2004 recommended by the Managing Committee attached as Appendix A.

December 4, 2003

North American Energy Standards Board
Preliminary Budget 2004 Compared to 2003 Budget and 2003 Expected Expenses - Worksheet

2003 Analysis

		2003 Budget	YTD Sept	2003 YE Est.	Variance 2003 YE to 2003 Budget		2004 Budget	Notes
Income	Membership	$1,910,000	$1,755,607	$1,705,667	-$204,333	-11%	$1,850,000	Expectations of WGQ at 120, Retail each at 40, WEQ at 180.
	Non Dues Revenue	$65,500	$9,105	$19,572	-$45,928	-70%	$25,500	Version 1.7 will be released as will at least two set of Model Business Practices for retail in 2004. This will cause more sales of standards materials and courses. Only one set of courses were prepared in 2003 because we did not change releases.
TOTAL INCOME		$1,975,500	$1,764,712	$1,725,239	-$250,261	-13%	$1,875,500	
Expense	Salaries, Benefits, Taxes	$741,000	$535,210	$713,615	-$27,385	-4%	$807,750	The employee and contract numbers are flat with with the same increases as processed last year, bases on hours as sepnt in September and annualized thorugh 2004. It reflects a full year of the position vacated by JoAnn Garcia, which contributed to us spending less in 2003.
	Office Rents	$65,000	$17,823	$54,459	-$10,541	-16%	$118,200	Rent at new office. Last year, several months were free as part of signing the lease arrangement.
	Office Expenses	$129,000	$53,978	$71,964	-$57,036	-44%	$95,400	Capital expenditures for PCs, furniture are loaded into this account instead of being shown as a separate item
	Telecommunications	$140,000	$116,126	$154,835	$14,835	11%	$150,000	In 2003, we received $30,000 signing refund or the amount would have been $184,835. With the increased reliance on conference calling, we expect to remain at or slightly above the $180,00 amount for 2004. If we charge for phone calls where there are face-to-face meetings at $50.00 for calls, then we can reduce the amount by $30,000 based on 2003 records -- thus yielding $150,000 for 2004.
	Travel, Meetings	$331,000	$199,701	$272,268	-$58,732	-18%	$275,000	Travel based on 2003 actuals
	Publications, Mailing, Printing	$175,000	$95,732	$127,643	-$47,357	-27%	$167,000	Based on 2003 actuals. We may needtranscripts for Intraday Nominations, Seams, LNG, ESS in addition to Board and EC meetings.
	Outside Services	$313,000	$198,010	$233,480	-$79,520	-25%	$228,000	Legal retainer dropped significantly, everything else based on 2003 budget/actuals.
	Insurance	$25,000	$4,989	$6,459	-$18,541	-74%	$8,000	Based on 2003 actuals
	Capital Expenses	$56,500	$25,300	$36,300	-$20,200	-36%		
TOTAL EXPENSES		$1,975,500	$1,221,569	$1,634,722	-$340,778	-17%	$1,849,350	
NET INCOME		$0	$543,144	$90,517	$90,517		$26,150	

North American Energy Standards Board
Preliminary Budget 2004 Compared to 2003 Budget and 2003 Expected Expenses - Worksheet

		2003 Budget	YE Sept	Oct-Dec	2003 YE Est.	2004 Budget		
Income	Membership	$1,910,000	$1,755,607	-$49,940	$1,705,667	$1,850,000	WGQ	$600,000
							WEQ	$850,000
							REQ	$200,000
							RGQ	$200,000
	Non Dues Revenue	$65,500	$9,105	$10,466	$19,572	$25,500	Certification, Classes, Annual Meeting, Sale of Standards	
TOTAL INCOME		$1,975,500	$1,764,712	-$39,474	$1,725,239	$1,875,500		
Expense	Salaries, Benefits, Taxes	$741,000	$535,210	$178,404	$713,615	$807,750	Employee Compensation, Benefits, Taxes	$577,750
							Contract Labor	$230,000
	Office Rents	$65,000	$17,823	$36,636	$54,459	$118,200	Office Rent	$118,200
	Office Expenses	$129,000	$53,978	$17,986	$71,964	$95,400	Credit Card Charges	$12,000
							Repairs and Maintenance	$12,000
							Computer Equipment & Software	$10,000
							Depreciation Expense	$20,400
							Furniture	$5,000
							Office Expenses	$36,000
	Telecommunications	$140,000	$116,126	$38,709	$154,835	$150,000	Phones, DSL, Conference Calls	$150,000
	Travel, Meetings	$331,000	$199,701	$72,567	$272,268	$275,000	Meeting Expenses	$95,000
							1 Advisory Council Meeting	$15,000
							Travel Expenses	$165,000
	Publications, Mailing, Printing	$175,000	$95,732	$31,911	$127,643	$167,000	Generation of Meeting Materials	$20,000
							Transcription Services	$85,000
							Association and Membership Dues	$6,000
							Postage and Delivery	$20,000
							Miscellaneous Printing	$16,000
							Subscriptions	$20,000
	Outside Services	$313,000	$198,010	$35,470	$233,480	$228,000	Legal Retainer	$70,000
							Accounting Services	$36,000
							Financial Review Services	$6,000
							Standards Manual Technical Writing	$60,000
							Web Site & Maintenance	$20,000
							Newsletter	$36,000
	Insurance	$25,000	$4,989	$1,469	$6,459	$8,000	D&O, E&O, Liability	$8,000
	Captial Expenditures	$56,500	$25,300	$11,000	$36,300			
Total Expense		$1,975,500	$1,221,569	$413,153	$1,634,722	$1,849,350		
Net Income		$0	$543,144	-$452,627	$90,517	$26,150		

NORTH AMERICAN ENERGY STANDARDS BOARD

2004 Conference Calling Administration

In 2004, NAESB will begin charging for conference calling for those NAESB meetings where it is possible to attend in person. NAESB will not charge for conference calling where participants are only given the choice to participate by phone. The administration of such follows:

- As most of the meetings that are held with in-person participation are half-day to whole day meetings, the fee will be $50.00 per day for each line. If participants choose to share a line via speaker phone, only one fee will be assessed.

- When participants note to the office that they are attending, they will be asked for payment – which can be provided via credit card or check. Upon receipt of payment, the conference calling information will be provided to the participant.

- As an alternative, member companies can pay a flat $1000 fee which will cover all employees of that company for all conference calling for 2004.

- These fees do not apply to state, federal or provincial government employees, trade association staff or consumer advocates.

This policy will be in effect for 2004. During 2004 we will consider other means of recovering the costs associated with communications services following the expiration of our contract with MCI at the end of that year. Currently, our options are limited as a result of that contract.

NORTH AMERICAN ENERGY STANDARDS BOARD

Resolution Regarding Continued Promotional Dues for a Limited Number of Membership Slots in End-User Segments of Gas Retail and Electric Retail Quadrants, and the Wholesale Electric Quadrant Through December 31, 2006

WHEREAS, the North American Energy Standards Board ("NAESB") by Resolutions adopted in March 2002 and September 2002, respectively, authorized promotional dues of $500 per annum for a limited number of members of the Retail Gas Quadrant (RGQ), the Retail Electric Quadrant (REQ), and the Wholesale Electric Quadrant (WEQ) who serve as state consumer advocates or in a similar capacity, or organizations of state consumer advocates or similar persons or for State public service/public utility commissions (hereinafter Consume Advocate Representatives); and

WHEREAS, due to the success of the initial resolutions authorizing such memberships, and the more broad-based participation resulting therefrom, the members of the RGQ, the REQ, and the WEQ would like to extend the provision of voting membership at reduced annual dues to not more than three Consumer Advocate Representatives in the End-User Segments of the RGQ, the REQ, and the WEQ for an additional period through December 31, 2006; and

WHEREAS, Article VII, Section 1 of the Certificate of Incorporation of NAESB generally requires that the dues for all voting members be the same, except for "promotional dues" approved by the Board of Directors;

NOW, THEREFORE BE IT:

RESOLVED, that the Board of Directors of NAESB approves the continuation of a special promotional dues program that will allow up to three Consumer Advocate Representatives to be or to become voting members of the End-User Segments of both the RGQ, the REQ, and the WEQ of NAESB at a reduced annual membership of $500 each through December 31, 2006, and

FURTHER RESOLVED, that not more than one such Consumer Advocate Representative paying a reduced annual membership shall serve as a Board member or an Executive Committee member for each of the indicated Quadrants.

December 4, 2003

TAB 6

EXECUTIVE COMMITTEE REPORT

North American Energy Standards Board
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NORTH AMERICAN ENERGY STANDARDS BOARD

2003 WGQ Annual Plan Modified by the Executive Committee - August 6, 2003

	Item Description	Completion[1]	Assignment
Contracts			
1	Complete the Credit Annex for the contract for purchases and sales of natural gas[2].	3rd` Qtr 2003	Contracts Subcommittee
	Status: Completed		
Electronic Delivery Mechanisms and Related Activities			
2	Preparation of documents and submission of EDM standards to ANSI for approval as ANSI standards.	4th Qtr 2003	EDM Subcommittee
3	Explore additional possibilities for partnership with the Department of Energy.	4th Qtr 2003	EC Officers
	Status: Pending, Discussion Underway		
4	Review and enhance security standards as required by technological changes.	2nd Qtr 2003	EDM Subcommittee
	Status: Completed		
5	Review of minimum technical characteristics in Appendices C, D, and E of the EDM Manual.	2nd Qtr 2003	EDM Subcommittee
	Status: Completed		
Standards Implementation			
6	Develop Creditworthiness Standards pursuant to an Annual Plan item. Such development should be restricted to implementation of existing Commission policy, new Commission policy after it has been ordered and non-policy oriented aspects of Creditworthiness.	3rd Qtr 2003	Business Practices Subcommittee
	Status: Underway, completed excepting implementation		
Provisional Activities[3]			

[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] This item may require coordination with wholesale electric quadrant as it may be related to WEQ Annual Plan item no. 5.

[3] 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.

Item Description	Completion[1]	Assignment
Mexican Addendum to the base contract for purchase and sales of natural gas.		
"Energy Day" Standard - including assessment of changes to existing NAESB standards.		
Remand of FERC Order 637 Issues – (1) forward-backward haul to the same point, and (2) Right of First Refusal.		
Model financial hedging agreement development[4].		
FERC order -- Docket No. RM01-10-000 (Affiliate Order).		
Base contract for purchase and sales of natural gas – electronic contract.		

Program of Standards Maintenance & Fully Staffed Standards Work[5]

Business Practice Requests	Ongoing	Assigned by the EC on a request by request basis
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 on a request by request basis
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC on a request by request basis
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC on a request by request basis

Notes: (a) Priority is given to action items that are carry-overs from the 2002 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.

[4] This item may require coordination with wholesale electric quadrant as it may be related to WEQ Annual Plan item no. 5.

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

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2003 RGQ Annual Plan

	Action Item, Description and Priority Category	Completion Quarter	Subcommittee Assignment
1	**Inventory Existing Natural Gas Practices within States[1]** Conduct inventory of existing natural gas practices in various states. **Status: Underway.**		Retail Gas Business Practice Inventory Task Force
2	**Examine Wholesale Gas Quadrant EDM Standards** Review NAESB Wholesale Gas Quadrant's (formerly known as GISB) "Electronic Delivery Mechanisms" manual to determine whether the standards within should be modified and/or adopted for use in the Retail Gas Quadrant. **Status: Underway, being coordinated with REQ and WGQ.**	2004	Technical Electronic Implementation
3	**Creditworthiness** Develop practices for Distributors extending commercial credit to Suppliers to cover financial risk. Such development should be restricted to implementation of existing regulatory policy, new regulatory policy after it has been ordered and non-policy oriented aspects of Creditworthiness. **Status: Underway, being coordinated with REQ.**	3rd Qtr 2003	Supplier-Utility Interface
4	**Supplier Licensing** Develop practices for licensing Suppliers with state utility commissions and for registering Suppliers with Distributors (e.g. application process and requirements).	4th Qtr 2003	Supplier-Utility Interface
5	**Customer Enrollment, Switching & Dropping** Develop practices for submitting and receiving, processing and fulfilling a customer's request to enroll with or leave a Supplier (including Suppliers dropping customers).	2004	Customer Processes
6	**Billing & Payment** Develop practices for billing customers; remittance to parties providing services to customers under different billing options (e.g. dual or consolidated bills; rate-ready or bill-ready); and payment between Distributor and Supplier under different payment options (e.g. assumption of receivables, pay-as-you-get-paid). **Status: Complete.**	3rd Qtr 2003	Customer Processes

[1] This is an ongoing item designed to serve as a resource to other RGQ subcommittees.

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2003 RGQ Annual Plan

	Action Item, Description and Priority Category	Completion Quarter	Subcommittee Assignment
7	**Customer Information** Develop practices for the release, collection, exchange and maintenance of customer information between Distributors and Suppliers, such as customer authorization, pre-enrollment information, customer lists, enrollment information and post-enrollment information. Develop procedures and protocols for communicating the nature & level of a customer's service as human needs, firm, interruptible, critical needs, and/or building protection for emergency services.	2004	Customer Processes
8	**Customer Inquiries** Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notifying the other party, such as inquiries involving switching and enrollment/disenrollment, billing, customer account changes, customer disputes and distribution emergencies.	2004	Customer Processes
9	**Examine Wholesale Gas Quadrant Non-EDM Standards** Review NAESB Wholesale Gas Quadrant's other manuals to determine whether the standards within should be modified and/or adopted for use in the Retail Gas Quadrant (i.e. review "Nominations," "Flowing Gas," "Invoicing," "Capacity Release," and "Contracts" manuals.).	2004	Supplier-Utility Interface
10	**Market Participant Interactions** Develop model practices to support interactions between Distributors and Suppliers, such as governing documents that establish the legal relationship, roles and obligations, including performance standards, of both Distributor and Supplier (e.g. content and framework of governing documents or orders, Master Service Agreement, operational manuals, and so on).	2004	Supplier-Utility Interface
11	**Retail Utility-Supplier Disputes** Develop dispute resolution procedures to resolve differences between Distributors and Suppliers, which would be included in the governing documents.	2004	Supplier-Utility Interface

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NORTH AMERICAN ENERGY STANDARDS BOARD
2002–2003 ANNUAL PLAN – RETAIL ELECTRIC QUADRANT[1]

	Item Number & Description	Completion[2]	Assignment
	Retail Access Uniform Business Practices (UBP)[3]		
1	Billing & Payments *Develop practices for billing customers and remitting payments to parties providing services to the customer.* **Status: Complete.**	3rd Qtr 2003	Customer Processes Subcommittee
2	Creditworthiness Standards *Develop practices for extending commercial credit by Distributors to Suppliers to cover financial risk.* **Status: Underway, being coordinated with RGQ..**	3rd Qtr 2003	Supplier-Utility Interface Subcommittee
3	Customer Enrollment & Switching *Develop practices for market participants to process customer switch requests, for maintaining current customer account information regarding a customer's Supplier, and for notifying affected parties.*	2004	Customer Processes Subcommittee
4	Supplier Licensing *Develop practices for licensing Suppliers with state utility commissions.*	2004	Supplier-Utility Interface Subcommittee

[1] As outlined in the NAESB Bylaws, the REQ will also address requests submitted by members and assigned to the REQ 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] A "Glossary" exists from the November 2000 UBP document that should be maintained and updated as a common glossary for all items under this sub-heading as the sub-committees address the UBP items in this section of the Plan.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2002–2003 ANNUAL PLAN – RETAIL ELECTRIC QUADRANT[4]

	Item Number & Description	Completion	Assignment
	Retail Access Uniform Business Practices (UBP) (continued)		
5	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, load profiling, settlement, etc. Issues related to unbundled or competitive metering are not to be considered.*	2004	Supplier-Utility Interface Subcommittee
6	Customer Information *Develop practices for the release, collection, exchange & maintenance of customer information between Distributors and Suppliers.*	2004	Customer Processes Subcommittee
7	Load Profiling *Develop practices for using statistical methods to estimate interval consumption by customers who do not have interval meters.*	2004	Supplier-Utility Interface Subcommittee
8	Customer Inquiries *Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party.*	2004	Customer Processes Subcommittee
9	Market Participant Interactions *Develop supplier registration processes for Distributors and protocols for communications and interactions between Distributors and Suppliers.*	2004	Supplier-Utility Interface Subcommittee
10	Utility - Supplier Disputes *Develop dispute resolution procedures applicable to differences between Distributors and Suppliers.*	2004	Supplier-Utility Interface Subcommittee

[4] As outlined in the NAESB Bylaws, the REQ will also address requests submitted by members and assigned to the REQ through the Triage Process.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2002–2003 ANNUAL PLAN – RETAIL ELECTRIC QUADRANT[5]

	Item Number & Description	Completion	Assignment
	Retail Access Uniform Business Practices (UBP) (continued)		
11	Settlement Process *Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ.*	2004	Supplier-Utility Interface Subcommittee
	Data Exchange Protocols[6]		
12	Electronic Delivery Mechanisms *Develop electronic delivery mechanism guidelines including but not limited to: transactional data interchange, web sites, and bulletin boards.* **Status: Underway, being coordinated with RGQ.**	2004	Technical Electronic Implementation
13	Technical Electronic Implementation Standards – Billing & Payments **Status: Dependent on completion of Item 1.**	2004	Technical Electronic Implementation
14	Technical Electronic Implementation Standards – Customer Enrollment and Switching **Status: Dependent on completion of Item 3.**	2004	Technical Electronic Implementation
15	Technical Electronic Implementation Standards – Metering **Status: Dependent on completion of Item 5.**	2004	Technical Electronic Implementation
16	Technical Electronic Implementation Standards – Load Profiling **Status: Dependent on completion of Item 7.**	2004	Technical Electronic Implementation
17	Technical Electronic Implementation Standards – Customer Information **Status: Dependent on completion of Item 6.**	2004	Technical Electronic Implementation

[5] As outlined in the NAESB Bylaws, the REQ will also address requests submitted by members and assigned to the REQ through the Triage Process.

[6] Data exchange standards for Uniform Business Practices should be completed by the end of the quarter following the quarter in which the Executive Committee adopts the model business practices for that area of focus.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2003 WEQ Annual Plan Modified by the Executive Committee – August 5, 2003

	Item Description	Completion[1]	Assignment
1	**Develop business practices standards as needed to complement reliability standards.**		
	a) Apply NERC/NAESB MOU provisions in reviewing proposed reliability standards for their business practice implications. Status: Underway	2nd Qtr 2003	Standards Review Subcommittee (SRS)
	b) Review existing NERC reliability policies and standards for their business practice implications.	2nd Qtr 2003 Low priority	SRS
	c) Review each of the SARs in light of the NERC/NAESB MOU. Status: Underway	Ongoing High priority	SRS
2	**Develop business practices standards for OASIS and Electronic Scheduling**		
	a) Develop business practice standards as needed for OASIS and electronic scheduling including determining which, if any, ESC/OSC and other related industry groups' business practices and standards should be developed into NAESB standards. Status: Underway – subcommittees for ESC and OSC created.	4th Qtr 2003 Medium/High priority[2]	Market Standard Subcommittee (MSS)
	b) Develop standard communication protocols and cybersecurity requirements as needed for OASIS and electronic scheduling including determining which, if any, ESC/OSC and other related industry standard communication protocols and cybersecurity requirements should be developed into NAESB standards. Status: Underway – subcommittees for ESC and OSC created.	4th Qtr 2003 Ongoing High priority	Technical Subcommittee
3	**Develop business practices standards in Support of a Standard Market**		
	a) Develop standards and model business practices in accordance with FERC orders and rules issued in the SMD docket (RM01-12-000), or pursuant to Order Nos. 888 or 2000, or otherwise directed by the FERC.	Per FERC Order High priority	MSS
	b) Respond to FERC inquiries pertaining to business practice standard development and keep FERC informed on the nature and effectiveness of coordination activities with other standards setting organizations.	Ongoing High priority	MSS

[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 EC determined that this item should carry a medium priority in terms of substance and a high priority in terms of organizational relations.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2003 WEQ Annual Plan Modified by the Executive Committee – August 5, 2003

	Item Description	Completion[1]	Assignment
4	**Develop business practices standards to Improve the Current Operation of the Wholesale Electric Market**		
	a) Establish a standardized electric trading day. Status: Suspended pending EC guidance.	See Note 1.	Market Operations Subcommittee (MOS)
	b) Identify and develop business practices on the public dissemination of market information.	See Note 1.	MOS
	c) Establish standard business practices relating to:		
	i) Definition and treatment of firm/nonfirm power;	See Note 1.	MOS
	ii) Definition and treatment of firm/nonfirm transmission;	See Note 1.	MOS
	iii) Provision of reserves for transactions across multiple control areas.	See Note 1.	MOS
	d) Develop business standards as necessary to resolve seams issues between ISOs and RTOs. Status: Underway, catalog being developed.	See Note 1.	Seams Subcommittee
	e) Develop standards for data requirements, data exchange and scheduling of day-ahead and real-time bilateral markets.	See Note 1.	MOS
	f) Examine business practices and definitions currently in use to determine applicability on a North American basis. Status: Underway	See Note 1.	MOS
	g) Catalogue, assess and prioritize existing "standards" that have significant business practice implications. Status: Underway	See Note 1.	MOS
	h) Review activities of NERC CIPAG in light of NERC-NAESB MOU regarding cyber security requirements for their business practice and system communication standards implications. Status: Initial task force members identified, including NERC representation.	See Note 1.	MOS
5	**Develop standardized contracts**		
	a) A review of both the Western Systems Power Pool and the Edison Electric Institute (EEI) Master Service agreements and other related agreements would be in order with the objective of developing standard short term and long term master-service agreements. Status: Complete – no action to be taken.	2nd Qtr 2003 High priority for outreach	Contracts Subcommittee

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NORTH AMERICAN ENERGY STANDARDS BOARD
2003 WEQ Annual Plan Modified by the Executive Committee – August 5, 2003

	Item Description	Completion[1]	Assignment
	b) A review of the EEI Master netting agreement with the objective of developing standard terms and conditions for netting settlements (perhaps this is a subset discussion of the master service agreements above). Status: Complete – no action to be taken.	2nd Qtr 2003 High priority for outreach	Contracts Subcommittee
	c) A review of the terms and conditions of the standard liquidated damages contracts ("into Entergy, Into Cinergy, etc.) with the objective of developing standard LD contract terms. Status. Complete – no action to be taken.	4th Qtr 2003 High priority for outreach	Contracts Subcommittee
	d) A review of the International Swaps and Derivatives Association (ISDA) cross commodity netting agreement Status: Complete. It was determined that this item was addressed by EEI and no further action was needed.	2nd Qtr 2003 High priority for outreach	Contracts Subcommittee
	e) Identify and develop business practices that would facilitate transactions between 2 parties when creditworthiness is an issue. Status: Working group to be established related to Seams catalog.	3rd Qtr 2003 High priority for outreach	Contracts Subcommittee
	f) Develop the Funds Transfer Agency Agreement. Status: Complete.	2nd Qtr 2003 High priority for outreach	Contracts Subcommittee
6	**Develop business practices standards for Inadvertent Interchange Payback Practice.** Status: Underway	2nd Qtr 2003 High/Medium priority	MOS
7	**Develop business practices standards related to FERC's forthcoming generation interconnection orders** (large and small generators), in Docket Nos. RM02-01-000 and RM02-12-000. **Status: MSS to review current Large Generation Interconnection order to determine if any NAESB standards development activities are warranted.**	4th Qtr 2003[3] High priority	MSS

Notes:
1. The WEQ EC Subcommittee will prioritize these items as appropriate and update the Board.

[3] The completion date is dependent upon the issuance date of the generation interconnection orders.

NORTH AMERICAN ENERGY STANDARDS BOARD

Resolution Regarding Approval of Proposed 2004 Annual Plans for Wholesale Gas, Wholesale Electric, Retail Gas and Retail Electric Quadrants

WHEREAS, under the guidance of each Quadrant Executive Committee the proposed 2004 Annual Plans were developed,

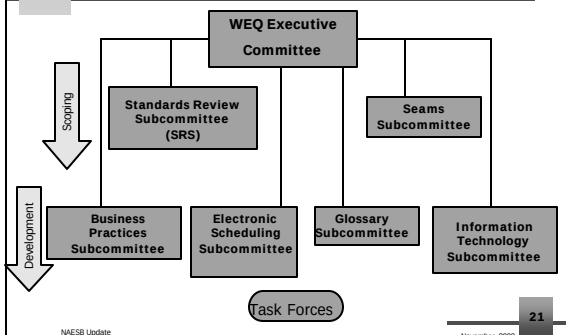
WHEREAS, each Quadrant Executive Committee approved its annual plan for 2004 and presents them to the Board for approval, and

WHEREAS, under Article III, Section 4 of the Certificate of Incorporation of NAESB requires that the Annual Plan(s) of the organization be approved by the Board of Directors;

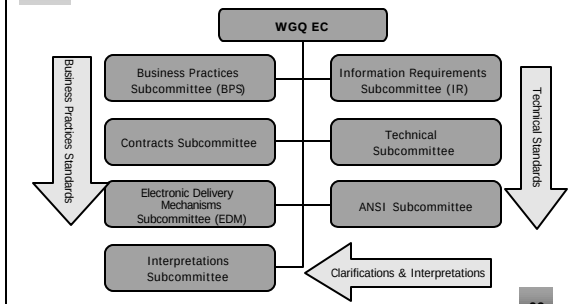
NOW, THEREFORE BE IT:

RESOLVED, that the Board of Directors of NAESB approves the Annual Plans of each of the four Quadrants for 2004.

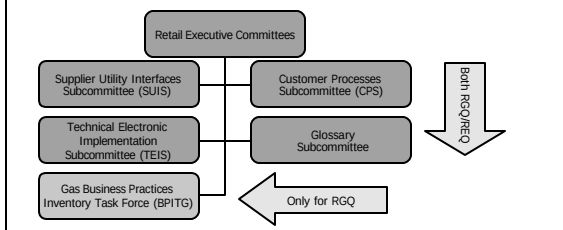
North American Energy Standards Board
Wholesale Electric Quadrant Committee Structure



North American Energy Standards Board
Wholesale Gas Quadrant Committee Structure



North American Energy Standards Board
Retail Quadrants Committee Structure



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NORTH AMERICAN ENERGY STANDARDS BOARD

2004 WGQ Draft Annual Plan Approved by the Executive Committee – October 9, 2003

	Item Description	Completion[1]	Assignment
Contracts			
Electronic Delivery Mechanisms and Related Activities			
1	Preparation of documents and submission of EDM standards to ANSI for approval as ANSI standards.	3rd Qtr 2004	EDM Subcommittee
2	Explore additional possibilities for partnership with the Department of Energy. Sandia Review of security and reliability of version 1.7.	3rd Qtr 2004	EC Officers
	Status: Pending, Discussion Underway		
3	Review and enhance security standards as required by technological changes. Review security standards as may be deemed necessary, e.g. Public Key Infrastructure (PKI).	2nd Qtr 2004	EDM Subcommittee
	Status:		
4	Review of minimum technical characteristics in Appendices C, D, and E of the EDM Manual.	4th Qtr 2004	EDM Subcommittee
	Status:		
5	Prepare a common NAESB Electronic Transport (ET) and WGQ Quadrant Electronic Delivery Mechanism (WGQ QEDM) manuals using the version 1.6 NAESB WGQ EDM tab 6 and applicable 4.x.x standards as a base.	4th Qtr 2004	EDM Subcommittee
Standards Implementation			
Provisional Activities[2]			
	FERC order -- Docket No. RM01-10-000 (Affiliate Order).		
	Subsequent FERC orders – Docket No. RM 96-1 (Creditworthiness)		

[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] 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.

Item Description	Completion[1]	Assignment
Review of ISDA Gas Annex.		
Intraday nomination issues.		

Program of Standards Maintenance & Fully Staffed Standards Work[3]

Business Practice Requests	Ongoing	Assigned by the EC on a request by request basis
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 on a request by request basis
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC on a request by request basis
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC on a request by request basis

Notes: (a) Priority is given to action items that are carry-overs from the 2002 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.

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

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 DRAFT ANNUAL PLAN – RETAIL GAS QUADRANT[1]

	Item Number & Description	Completion[2]	Subcommittee Assignment
1	Billing & Payment Datasets and Models Develop datasets and models to support the Billing & Payment model business practices.	1st Qtr 2004	Customer Processes
2	Market Participant Interactions Develop model practices to support interactions between Distribution Companies and/or registration agents and Suppliers, such as supplier registration processes, governing documents, and roles and obligations of both Distribution Company and/or registration agent and Supplier (e.g. content and framework of governing documents or orders).	1st Qtr. 2004	Supplier-Utility Interface
3	Customer Usage Information Develop practices for exchanging and retaining customer usage information. (For example: historical usage, pre-enrollment oriented, enrollment oriented and billing oriented usage.) Develop practices for the release, collection, exchange and maintenance of customer information between and among market participants, such as customer authorization, pre-enrollment information, customer lists, enrollment information and post-enrollment information. Develop procedures and protocols for communicating the nature & level of a customer's service as human needs, firm, interruptible, critical needs, and/or building protection for emergency services.	3rd Qtr. 2004	Customer Processes
4	Distribution Company – Supplier Disputes Develop dispute resolution procedures applicable to differences between Distribution Companies and Suppliers.	2nd Qtr. 2004	Supplier-Utility Interface
5	Customer Enrollment, Switching & Dropping 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.	4th Qtr. 2004	Customer Processes
6	Examine Wholesale Gas Quadrant Non-EDM Standards Review NAESB Wholesale Gas Quadrant Non-EDM manuals to determine whether the standards within should be modified and/or adopted for use in the Retail Quadrants.	4th Qtr. 2004	Supplier-Utility Interface
7	Customer Inquiries Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party.	2005	Customer Processes

[1] As outlined in the NAESB Bylaws, the RGQ will also address requests submitted by members and assigned to the 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.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 DRAFT ANNUAL PLAN – RETAIL GAS QUADRANT[1]

	Item Number & Description	Completion[2]	Subcommittee Assignment
8	Supplier Licensing Develop practices for licensing Suppliers with state utility commissions.	2005	Supplier-Utility Interface
	Retail Gas Business Practice Inventory Task Force		
9	Inventory Existing Natural Gas Practices within States[3] Conduct inventory of existing natural gas practices in various states. **Status: Underway.**		Retail Gas Business Practice Inventory Task Force
	Technical Electronic Implementation Subcommittee[4]		
10	TEIS Subcommittee Process Establish a subcommittee process for the processing of standards released by other quadrant subcommittees, including interfaces with other subcommittees (e.g. CPS, SUIS, Information Requirements (IR), etc), receipt of standards, completion of required inputs (e.g. data dictionaries, etc), and identification of required outputs (e.g. X12 standards, QEDM book components, etc).	1st Qtr. 2004	Technical Electronic Implementation
11	Technical Electronic Implementation Standards – Billing & Payments **Status: Dependent on completion of Item 1.**	2nd Qtr. 2004	Technical Electronic Implementation
12	Electronic Transport Work jointly with the WGQ EDM subcommittee and the RGQ TEIS subcommittee to establish standards for the NAESB Internet Electronic Transport.	2nd Qtr. 2004	Technical Electronic Implementation
13	Quadrant EDM Work jointly with the WGQ and RGQ to establish a common format for Quadrant-specific EDM (QEDM) Books.	2nd Qtr. 2004	Technical Electronic Implementation
14	Technical Electronic Implementation Standards – Customer Enrollment and Switching **Status: Dependent on completion of Item 5.**	4th Qtr. 2004	Technical Electronic Implementation
15	Technical Electronic Implementation Standards – Customer Information **Status: Dependent on completion of Item 6.**	2005	Technical Electronic Implementation
	Provisional Activities		
	Review security standards as may be deemed necessary; Public Key Infrastructure (PKI).		

[3] This is an ongoing item designed to serve as a resource to other RGQ subcommittees.

[4] The TEIS is assigned the completion of any technical work forwarded to them by the business development subcommittees ideally one quarter after receipt of forwarded work.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 DRAFT ANNUAL PLAN – RETAIL GAS QUADRANT[1]

Item Number & Description	Completion[2]	Subcommittee Assignment
"Energy Day" Standard - including assessment of changes to existing NAESB standards.		
Program of Standards Maintenance & Fully Staffed Standards Work[5]		
Business Practice Requests	Ongoing	Assigned by the EC on a request by request basis
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC on a request by request basis
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC on a request by request basis
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC on a request by request basis
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary Subcommittee

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

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 DRAFT ANNUAL PLAN – RETAIL ELECTRIC QUADRANT[1]

	Item Number & Description	Completion[2]	Assignment
1	Billing & Payment Datasets and Models Develop datasets and models to support the Billing & Payment model business practices.	1st Qtr 2004	Customer Processes
2	Market Participant Interactions Develop model practices to support interactions between Distribution Companies and/or registration agents and Suppliers, such as supplier registration processes, governing documents, and roles and obligations of both Distribution Company and/or registration agent and Supplier (e.g. content and framework of governing documents or orders).	1st Qtr. 2004	Supplier-Utility Interface
3	Customer Usage Information Develop practices for exchanging and retaining customer usage information. (For example: historical usage, pre-enrollment oriented and billing oriented usage.) Develop practices for the release, collection, exchange and maintenance of customer information between and among market participants, such as customer authorization, pre-enrollment information, customer lists, enrollment information and post-enrollment information. Develop procedures and protocols for communicating the nature & level of a customer's service as human needs, firm, interruptible, critical needs, and/or building protection for emergency services.	3rd Qtr. 2004	Customer Processes
4	Distribution Company – Supplier Disputes Develop dispute resolution procedures applicable to differences between Distribution Companies and Suppliers.	2nd Qtr. 2004	Supplier-Utility Interface
5	Customer Enrollment, Switching & Dropping 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.	4th Qtr. 2004	Customer Processes
6	Examine Wholesale Gas Quadrant Non-EDM Standards Review NAESB Wholesale Gas Quadrant Non-EDM manuals to determine whether the standards within should be modified and/or adopted for use in the Retail Quadrants.	4th Qtr. 2004	Supplier-Utility Interface
7	Customer Inquiries Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party.	2005	Customer Processes

[1] As outlined in the NAESB Bylaws, the REQ will also address requests submitted by members and assigned to the REQ 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.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 DRAFT ANNUAL PLAN – RETAIL ELECTRIC QUADRANT[1]

	Item Number & Description	Completion[2]	Assignment
8	Supplier Licensing Develop practices for licensing Suppliers with state utility commissions.	2005	Supplier-Utility Interface
9	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, load profiling, settlement, etc. Issues related to unbundled or competitive metering are not to be considered.	2005	Supplier-Utility Interface
10	Load Profiling Develop practices for using statistical methods to estimate interval consumption by customers who do not have interval meters.	2005	Supplier-Utility Interface
11	Settlement Process Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ.	2005	Supplier-Utility Interface
	Technical Electronic Implementation Subcommittee[3]		
12	TEIS Subcommittee Process Establish a subcommittee process for the processing of standards released by other quadrant subcommittees, including interfaces with other subcommittees (e.g. CPS, SUIS, Information Requirements (IR), etc), receipt of standards, completion of required inputs (e.g. data dictionaries, etc), and identification of required outputs (e.g. X12 standards, QEDM book components, etc).	1st Qtr. 2004	Technical Electronic Implementation
13	Technical Electronic Implementation Standards – Billing & Payments **Status: Dependent on completion of Item 1.**	2nd Qtr. 2004	Technical Electronic Implementation
14	Electronic Transport Work jointly with the WGQ EDM subcommittee and the RGQ TEIS subcommittee to establish standards for the NAESB Internet Electronic Transport	2nd Qtr. 2004	Technical Electronic Implementation
15	Quadrant EDM Work jointly with the WGQ and RGQ to establish a common format for Quadrant-specific EDM (QEDM) Books.	2nd Qtr. 2004	Technical Electronic Implementation
16	Technical Electronic Implementation Standards – Customer Enrollment and Switching **Status: Dependent on completion of Item 5.**	4th Qtr. 2004	Technical Electronic Implementation
17	Technical Electronic Implementation Standards – Metering **Status: Dependent on completion of Item 9.**	2005	Technical Electronic Implementation
18	Technical Electronic Implementation Standards – Load Profiling	2005	Technical

[3] The TEIS is assigned the completion of any technical work forwarded to them by the business development subcommittees ideally one quarter after receipt of forwarded work.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 DRAFT ANNUAL PLAN – RETAIL ELECTRIC QUADRANT[1]

	Item Number & Description	Completion[2]	Assignment
	Status: Dependent on completion of Item 10.		Electronic Implementation
19	Technical Electronic Implementation Standards – Customer Information **Status: Dependent on completion of Item 6.**	2005	Technical Electronic Implementation
	Provisional Activities		
	Review security standards as may be deemed necessary; Public Key Infrastructure (PKI).		
	"Energy Day" Standard - including assessment of changes to existing NAESB standards.		
	Program of Standards Maintenance & Fully Staffed Standards Work[4]		
	Business Practice Requests	Ongoing	Assigned by the EC on a request by request basis
	Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC on a request by request basis
	Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC on a request by request basis
	Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC on a request by request basis
	Ongoing Development and Maintenance of Definitions	Ongoing	Glossary Subcommittee

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

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 WEQ Annual Plan
Approved by the WEQ Members of the Executive Committee – October 7, 2003

	Item Description	Completion[1]	Assignment
1	**Develop business practices standards as needed to complement reliability standards**		
	(a) Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs). Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are: • Develop Inadvertent Interchange Payback Business Practices (Market Operations Subcommittee) • R03013 – Coordinate Interchange (Standards Review Subcommittee) • R03014 – Coordinate Operations (Standards Review Subcommittee) • R03017 -- Operate Within Limits (Standards Review Subcommittee) • Balance Resources and Demand • Facility Ratings		
	(b) Develop business practice standards applicable to the transition period from NERC policies to NERC reliability standards.		
2	**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 including determining which, if any, ESC/OSC and other related industry groups' business practices and standards should be adopted as NAESB standards. Specific items to address include: (i) OASIS Phase IA (a) Adoption of business practices per FERC Order 638 (ii) OASIS Phase II per FERC ANOPR (Docket no. RM00-10-000) and subsequent orders (a) Adoption/maintenance of ESC use cases (b) Adoption/maintenance of Functional Requirements Document (c) Develop and Maintain business practices to support and implement the ESC use cases		
	(b) Develop and/or maintain *standard communication protocols* and cybersecurity requirements as needed, including related industry		

[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.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2004 WEQ Annual Plan
Approved by the WEQ Members of the Executive Committee – October 7, 2003

	Item Description	Completion[1]	Assignment
	standard communication protocols and cybersecurity requirements		
	(i) OASIS Phase IA (a) Adoption of S&CP version 1.4		
	(ii) OASIS Phase II per FERC ANOPR (Docket no. RM00-10-000) and subsequent orders (a) Development of S&CP document		
	(iii) NERC PKI initiative		
3	**Develop business practices standards to Improve the Current Operation of the Wholesale Electric Market**		
	(a) Develop business practice standards needed to complement or assist specific seams mitigation efforts initiated by or coordinated with the NERC, the IRC, RTOs or ISOs, or other regional entities.		
4	**Determine the need for and develop, if necessary, standard(s) requests for electric or gas standards required to provide additional flexibility in generation scheduling (including gas nominations).**		
	PROVISIONAL ITEMS		
1	Develop standards and model business practices in accordance with FERC orders and rules issued in the SMD docket (RM01-12-000), or pursuant to Order Nos. 888 or 2000, or otherwise directed by the FERC.		
2	Respond to FERC inquiries pertaining to business practice standard development and keep FERC informed on the nature and effectiveness of coordination activities with other standards setting organizations.		
3	Develop business practice standards related to FERC's forthcoming generation interconnection orders (large and small generators), in Docket Nos. RM02-01-000 and RM02-12-000.		
4	FERC Reporting of Electricity Prices		
5	Develop business practice standards as requested by the regional and state advisory groups.		
6	Develop electric purchase and sales contract.		

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Appendix
Comments Accompanying the Action Items and Provisional Items
For the 2004 Annual Plan Adopted by the Executive Committee – October 7, 2003

ACTION ITEMS:

1a The original 1(a) from the 2003 plan is implied and 1(b) and 1(c) have been rewritten as a part of this plan: 1(a) Apply NERC/NAESB MOU provisions in reviewing proposed reliability standards for their business practice implications, 1(b) Review existing NERC reliability policies and standards for their business practice implications, 1(c) Review each of the SARs in light of the NERC/NAESB MOU.

1b This is a new item that reflects the recent NERC decision to create Transition team. NAESB has been asked to join the Transition Team which is led by Gerry Cauley. NAESB members on the team are Charles Yeung, Rae McQuade and Michael Desselle.

2a The Information Technology Subcommittee has been formed and is currently reviewing existing lists of enhancements for OASIS 1A and OASIS 2. A NAESB Electronic Scheduling Subcommittee was created but is inactive awaiting input from the existing ESC industry group

2b The PKI request R03007 has been assigned to the NAESB WEQ to be addressed which is a portion of this annual plan item.

This item also corresponds to the 2003 WEQ Annual Plan item 4(h) Review activities of NERC CIPAG in light of NERC-NAESB MOU regarding cyber security requirements for their business practice and system communication standards implications.

3a A seams catalog is under development now and will identify many of the items to be included under this action item. This item was originally numbered item 4 in the 2003 WEQ Annual Plan. Several items were deleted, and will be added back to the plan if they are requested through the comments or meetings on the plan and the requesters indicate a willingness to participate in the standards development effort or in the drafting effort. The items removed from the 2003 plan are: 4(a) Establish a standardized electric trading day; 4(b). Identify and develop business practices on the public dissemination of market information.

Other items from the 2003 WEQ Annual Plan were reordered and renamed such as: 4(d) Develop business standards as necessary to resolve seams issues between ISOs and RTOs; 4(c) Establish standard business practices relating to: i) Definition and treatment of firm/nonfirm power; ii) Definition and treatment of firm/nonfirm transmission; iii) Provision of reserves for transactions across multiple control areas, 4(e) Develop standards for data requirements, data exchange and scheduling of day-ahead and real-time bilateral markets; and 4(h) Review activities of NERC CIPAG in light of NERC-NAESB MOU regarding cyber security requirements for their business practice and system communication standards implications.

Some items on the 2003 WEQ Annual Plan were considered assumed in each of the action items, so they were not specifically highlighted as a separate action item, such as : 4(f) Examine business practices and definitions currently in use to determine applicability on a North American basis and 4(g) Catalogue, assess and prioritize existing "standards" that have significant business practice implications.

4 This is a new item, not in the 2003 plan. It was added at the August 5 Executive Committee meeting.

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Appendix
Comments Accompanying the Action Items and Provisional Items
For the 2004 Annual Plan Adopted by the Executive Committee – October 7, 2003

PROVISIONAL ITEMS:

1 These items (originally items 3 and 7 of the 2003 Annual Plan) were reclassified as provisional and will be acted upon as such FERC actions are taken.

4 This is a new item, not in the 2003 plan. It was added at the August 5 Executive Committee meeting.

5 This is a new item, not in the 2003 plan. It was added at the August 5 Executive Committee meeting.

6 There is industry interest, but there is neither consensus to move forward at this time nor may resources be available.

On August 5, several of the WEQ EC members discussed possibly preparing a request that would add an item to the 2004 annual plan to develop a master service agreement. The request was prepared but subsequently withdrawn by the submitter due to an expected lack of resources.

TAB 7

UPDATE ON RELATED GROUPS

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UPDATE ON RELATED GROUPS

DECEMBER 4, 2003

Joint Interface Committee

The Joint Interface Committee met last on September 19 in Austin at ERCOTS Offices. The draft minutes of that meeting are attached. NAESB presented three requests for approval – all of which were assigned to NAESB for development. Those requests were: (1) Coordinate Interchange Business Practices, (2) Operate Within Limits Business Practices, and (3) PKI Business Practices. All of the requests are companion pieces to reliability standards development by NERC. NERC presented four certification requests, all of which were assigned back to NERC for reliability standards development. NERC will apprise NAESB should any business practices issues arise.

There was an October 17 conference call which was cancelled. A subsequent conference call for December 19 has been tentatively scheduled. We have no requests to present at this time to the JIC.

OASIS Standard Collaborative and Electronic Scheduling Collaborative

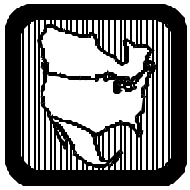
The business practices and communication protocol issues previously addressed by the OASIS Standards Collaborative and the Electronic Scheduling Collaborative have be assumed by the NAESB Information Technology Subcommittee chaired by Monroe Landrum and Alan Johnson, and the Electronic Scheduled Subcommittee chaired by Joel Dison, Andy Rodriguez and John Simonelli. The information Technology Subcommittee is reviewing changes to OASIS as proposed for OASIS 1A and also undertaking the PKI efforts. The Electronic Scheduling Subcommittee will hold its first meeting on December 15-16 in Washington, D.C. It will review requests and recommendation to adopt the business practice standards and communication protocols outlined in Order 638 and Order 605.

Seams Efforts

The Seams subcommittee is finalizing the catalog to be released in December. A draft is included. We had participation from the ISOs and RTOs in developing this catalog. It will be forwarded to FERC, NERC, and the ISO-RTO Council once completed so that he organizations can determine which actions are to be taken.

Coordination with NERC

We continue to have excellent communication lines with NERC, from participating on both of their transition teams – one for transitioning existing policies to NERC reliability standards, and the other to address NERC post legislation issues. We are coordinating meetings with related drafting teams and share leadership in many of them. We participate in NERC's Market Committee, the group identified by NERC to coordinate any NERC -NAESB activities or issues.



NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

NERC-NAESB-ISO/RTO Council Joint Interface Committee Meeting
September 19, 2003
ERCOT Offices – Austin, Texas
8 am to noon
Draft Meeting Minutes

Attendance

NAESB Representatives
Syd Berwager
Steve Corneli
Michael Desselle
Dave McMillan
Charles Yeung
Ed Davis (alt)
Andy Dotterweich (alt)
Jim Templeton (alt)
Mary Ellen Paravalos
Bob Goss (alt) (phone)

NERC Representatives
Ricky Bittle
Mark Fidrych
Wally Johnson
Sam Jones
Ed Schwerdt
Ron Threlkeld
Linda Campbell (phone) (alt)

IRC Representatives

Karl Tammar
Jim Detmers
Bill Limbrick
Bruce Balmat (phone)
Kent Saathoff

Other
Tim Gallagher – Secretary
Joelle Ogg – Anti-trust Counsel

Guests
Bill Boswell - NAESB
Don Benjamin – NERC
Glenn Ross – NERC Planning Committee Chair
Rae McQuade - NAESB
Todd Oncken - NAESB

1. All present and those attending via teleconference were introduced. Transcripts of JIC meetings will be kept and a transcriber attended this meeting.

2. The agenda was unanimously approved. Joelle Ogg, of counsel with John & Hengerer, served as anti-trust counsel for this meeting and reviewed the anti-trust guidelines. A quorum was established for NAESB, NERC and ISO/RTO Council (IRC) members.

3. Michael Desselle reviewed the role of the JIC and its voting procedures. Each contingent of the JIC receives an equal share of the vote, divided by the number of representatives present. Since a quorum was established for all three JIC contingents at this meeting, each received one-third of the vote.

4. Rae McQuade presented an overview of a proposed business practice standard received by NAESB to coordinate interchange. The intent of this proposed standard is to complement the reliability standard being developed by NERC. The NAESB and NERC drafting teams are in discussions to make sure the efforts are coordinated.

   Motion: (Syd Berwager, Jim Templeton second): Assign the Coordinate Interchange business practice standard to NAESB for standards development.

   Discussion:

   Wally Johnson stated that he fully supports this effort, but is concerned about the tone in the proposal document. He believes that it could be inferred that the two drafting teams will get together and decide which items each will develop. Wally pointed out that NERC team is governed by its SAR and cannot deviate from it. .

   Rae McQuade stated that much of the language in the NAESB proposal was taken from the NERC SAR and asked Wally Johnson if he could offer any suggested changes that will improve the request. Wally agreed to review the proposal further and offer any suggestions he might have.

   Vote:
   IRC – Unanimous approval of Mr. Berwager's motion
   NAESB – Unanimous approval of Mr. Berwager's motion
   NERC - Unanimous approval of Mr. Berwager's motion

5. Charles Yeung presented an overview of a proposed business practice standard received by NAESB to operate within interconnected reliability operating limits. The intent of this proposed standard is to complement the reliability standard being developed by NERC. The purpose of the NAESB proposal is to facilitate equitable curtailment and reloading of market transactions to implement tariff transmission service priorities. The proposal consciously avoids trying to prescribe the requisite mechanisms, in order to allow for alternative business solutions. The proposal includes a number of questions for the NERC drafting team in order to help NAESB formulate needed business practices.

Motion: (Charles Yeung, Mark Fidrych second): Assign the Operate Within Interconnected Reliability Operating Limits business practice standard to NAESB for standards development.

Discussion:

Wally Johnson again reminded all present that NERC standard drafting teams must obtain industry consensus before they can make any changes to the standard and cannot make separate agreements with the NAESB drafting team outside the NERC process.

Bill Boswell suggests that NERC and NAESB jointly develop definitions used in common standards.

Tim Gallagher informed the JIC that NERC drafting team is getting close to balloting the NERC standard for industry approval.

Vote:
IRC – Unanimous approval of Mr. Yeung's motion
NAESB – Unanimous approval of Mr. Yeung's motion
NERC - Unanimous approval of Mr. Yeung's motion

6. Rae McQuade presented an overview of a proposed business practice standard received by NAESB to develop public key infrastructure (PKI). The intent of this proposed standard is to complement NERC's PKI efforts. NAESB representatives have been working with the NERC PKI team and this proposal was an outcome of that effort. As PKI is implemented for reliability activities, is desirable for the industry to avoid requiring a separate system for market systems, hence this proposal. Some discussions internal to NAESB have occurred as to whether this should be adopted in other NAESB quadrants.

   Motion: (Steve Corneli, Dave McMillan second): Assign the PKI business practice standard to NAESB for standards development.

   Discussion:

   Tim Gallagher stated that this proposal reflects NERC and NAESB coordination at its best and applauded those involved.

   Vote:
   IRC – Unanimous approval of Mr. Corneli's motion
   NAESB – Unanimous approval of Mr. Corneli's motion
   NERC - Unanimous approval of Mr. Corneli's motion

7. Ricky Bittle and Pat Everly presented an overview of four certification reliability standards received by NERC. The four standards are intended to provide the certification requirements for entities identified in the functional model (reliability authority, balancing authority, interchange authority and transmission operator). Some business practices were identified by industry commenters and removed from the proposal during the drafting of the request. An inadvertent energy payback process is an example of one of the business practices. The functional model is the foundation of NERC's standards and it is important that entities that will be held accountable to the standards be certified.

   Motion: (Mark Fidrych, Steve Corneli second): Assign the four certification reliability standards to NERC for standards development.

   Discussion:
   Charles Yeung expressed concern regarding the footprint of reliability authorities how RA-RA coordination will occur. Mr. Yeung feels that the certification procedures do not address these issues.

   Pat Everly and Wally Johnson stated that the functional model does address footprints and boundaries somewhat. The intent of these standards, however, is only to verify that the entities wishing to perform the functions have the necessary tools, training and personnel the functions. The standards are not intended to establish RA footprints.

   Ricky Bittle pointed out that there is a separate standard being written ('coordinate operations') that will require coordination of RA activities.

   Charles Yeung questioned whether there is a tariff or market design component in these standards. Specifically, are contractual requirements between entities and say, a potential balancing authority, included in the standards?

   Pat Everly replied that the standards do refer to agreements, but do not specifically use the term "contracts" in deference to organizations that will handle multiple functions internally.

   Dave McMillan believes that in addition to the certification of competency to perform the functions, the industry also needs to have requirements or a least a review of how this all fits together and how the relationships between an RA and others will be developed, for instance. Dave suggests that NERC provide more information regarding how agreements will be reached and give NAESB the opportunity to review for any potential business impacts.

   Sam Jones informed the JIC that there are both Regional and NERC requirements for reliability coordinator plans. These plans will be reviewed to ensure that all entities in the Region are covered.

Charles Yeung remained concerned about FERC approvals versus NERC certification and asks that this be monitored. Ricky Bittle will direct the standard drafting team to inform NAESB of any business practice issues they encounter.

Vote:
IRC – Unanimous approval of Mr. Fidrych's motion
NAESB – Unanimous approval of Mr. Fidrych's motion
NERC - Unanimous approval of Mr. Fidrych's motion

8. Michael Desselle summarized the informal session the JIC held on September 18. The purpose of the meeting was to share draft 2004 annual plans for standards development and to discuss how best to coordinate among the three organizations. The consensus of the meeting participants was that further work is needed on coordination proposals. In addition, the initial review of the draft annual plans yielded that the plans are in synch. Mr. Desselle stated that there are no specific next steps at this time, other than a request for each JIC member to review the draft annual plans and offer any input they may have.

   Steve Corneli, Don Benjamin and Karl Tammar will work to distill key concepts from the work they have done towards NAESB-NERC-IRC coordination to date and share this with the JIC and other involved organizations.

9. No immediate need was identified for holding another face-to-face meeting in the near future. Instead, conference calls were tentatively scheduled for October 17 at noon ET and December 19 at noon ET. The JIC co-chairs will decide if each call is necessary as the call date approaches.

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
1	Market Standards	Market Standard Operating Time		Non Standard Time Zone	The lack of a standard Time Zone causes Market Inefficiencies		All	All	All	Market Rule / Business Practice	No	Phil Cox - AEP	No		
2	X- Delete			MaxGen/MaxLoad 345Kv	Undersized Transmission Line	Delete	Other	ECAR	ECAR	Physical	No	Phil Cox - AEP	No		
3	Market Standards	Energy Market Standard Product Definitions		Definition & treatment of Firm/nonfirm Power	Annual Plan Item 4ci moved from MOS		All	All	All	Market Rule / Business Practice	No	Lou Oberski - Dominion Energy	No		
4	Transmission Service	Transmission Market Standard Product Definitions and Priorities		Definition & treatment of Firm/nonfirm Transmission	Annual Plan Item 4cii moved from MOS		All	All	All	Market Rule / Business Practice	No	Lou Oberski - Dominion Energy	No		
5	System Reliability	Operating Reserves/Resource Adequacy	Energy and Reactive Capacity Reserve Requirements	Provision of reserves across multiple control areas	Annual Plan Item 4cii moved from MOS	51	All	All	All	Market Rule / Business Practice	No	Lou Oberski - Dominion Energy	L		
6	Transmission Service	Transmission Service Procurement	Common Western Interconnection Wide OASIS	Transmission Access	No transmission market one stop shopping available for the Western Interconnection - entities can't find needed information to efficiently conduct business on a preschedule or real-time basis. Solution: Common OASIS Site needed.		All	Non-RTO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - Various Transmission Providers	Steven Cobb - SRP	No		
7	Market Standards	Market Standard Communication Protocols and Transparency		Market Price Information	Market pricing methodology not comprehensive, consistent or dependable. Solution: Standardized Indices, Independently Managed.		Non-RTO Mkt to Non-RTO Mkt	Non-RTO Market	Non-RTO Market	Market Rule/Business Practice	No	Steven Cobb - SRP	No		
8	Transaction Scheduling	Interchange Scheduling Standardized Protocols		Scheduling	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.		RTO Market to Non-RTO Market	Non-RTO Market	ISO Market	Market Rule/Business Practice	Yes - SSG - WI	Steven Cobb - SRP	No		
9	Congestion Management	Standardize and Coordinate ATC Calculations and Postings		Transmission Calculations	Transmission calculations are not consistent. Solution: Standardized ATC Calculations.		All	Non-RTO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - SSG - WI	Steven Cobb - SRP	No		
10	Market Standards	Energy Market Standard Product Definitions		Energy Products	Entities have disagreements concerning the definitions of various energy products. Solution: Standardized Energy Products.	25, 34, 111, 139	All	Non-RTO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - WECC	Steven Cobb - SRP	No		
11	Market Monitoring/ Compliance	Market Monitoring Entity Requirements		Market Oversight	New and mature markets need oversight to ensure that existing rules are complied with and new rules are adequate in meeting the scenarios they were designed to govern. Solution: Independent Market Auditor or Monitor.	Hold	All	Non-RTO Market/ISO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - SSG - WI	Steven Cobb - SRP	No		
12	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Develop Electronic Scheduling	Interchange/Intrachange Scheduling Data Exchange	Current E-Tagging process is inadequate for exchanging reliability and market data within the Western Interconnection. Solution: Electronic Scheduling		All	Non-RTO Market/ISO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - WECC	Steven Cobb - SRP	No		
13	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for Unscheduled Flows of Electricity	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.	14, 16	All	All	All	Market Rule / Business Practice and Physical	Yes / IIPTF	Mark Lively - Lively Utility	A - C	1	
14	Market Standards	Physical and/or Financial Resolution of Inadvertent Interchange		Compensation for Inadvertent Interchange	Lack of compensation lessens incentives for operators to solve problems. Explicit compensation for inadvertent interchange is necessary for appropriate definition of other products, in that such compensation ensures that the defined product is delivered.	16, 53, 94, 95, 141, 142	All	All	All	Market Rule / Business Practice and Physical	Yes / IIPTF	Mark Lively - Lively Utility	A - C	1	NAESB IIPTF
14	X- Delete			Resource Adequacy. Resource Adequacy Resolution.	Many, but not all, of the general seams issues related to scheduling, redispatch, etc., are duplicated between RTO and adjacent non-participants to the extent the latter can and do operate under existing WECC practices. (Issue XI.1)	Delete				Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		NERC
15	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for Loop Flow	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.	14, 16	All	All	All	Market Rule / Business Practice and Physical	Yes / IIPTF	Mark Lively - Lively Utility	A - C	1	
16	Market Design	Transmission Ancillary Service Market Design and Coordination	Reactive Power Compensation	Compensation for Reactive Power	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.	14, 141, 142, Split - Trans/Gen	All	All	All	Market Rule / Business Practice and Physical	Yes / IIPTF	Mark Lively - Lively Utility	A - C	1	NAESB IIPTF
17	Congestion Management	Standardize and Coordinate ATC Calculations and Postings	Reconcile ATC Calculations Between Physical and Financial Transmission Markets	TTC-ATC calculation/posting	Interface between a financial market (no physical transmission arrangements) and physical transmission regions (selling transmission capacity through OASIS reservations): Problems of TTC-ATC calculations coordination. Counterparties include IMO, NYISO, and ISO-NE.	18, 19 Consolidate	Other	HQ TransÉnergie	ISO's	Market Rule / Business Practice	No	Victor Bissonnette - HQ TransÉnergie	No		
20	Congestion Management	Standardize TCC Calculations Across Interfaces		TTC coordination	Disagreement between two operators on the physical capability of an interconnection (line 7040 and Phase II). Counterparties are NYiso and ISO-NE.	21 Consolidate	Other	HQ TransÉnergie	NYiso	Market Rule / Business Practice	Yes	Victor Bissonnette - HQ TransÉnergie	No		NERC
22	Transmission Service	Transmission Service Pricing	Market Interface Transmission Service Pancaking	Rate pancaking elimination	Being reviewed by PJM/MISO.	38, 105	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	No	1	FERC
23	System Reliability	Unscheduled/Parallel Path Flow Management	Parallel Path/ Unscheduled Flow Monitoring and Operation	How different congestion management methodologies will interact to ensure parallel flows and impacts are recognized and controlled to ensure system reliability.	Being reviewed by PJM/MISO.	115	All	All	All	Physical	Yes	Linda Horn - WE Energies	No	1	

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
24	System Reliability	Voltage Control		Voltage Operating Procedures	Being reviewed by PJM/MISO. See PJM presentation "Status Report to FERC on July 31, 2002 Alliance Order" dated Jan 2003, page 6 as posted under NAESB WEQ Seams subcommittee July 8 date	(was #27.4)	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	D	2	
25	Market Standards	Energy Market Standard Product Definitions		Need for common physical market and products - regional variations permitted		10, 34, 111, 139	All	All	All	Market Rule / Business Practice	No	Linda Horn - WE Energies	No	1	
26	Planning	Transmission Expansion and Generator Interconnection Coordination	Transmission Expansion Cost and Construction Responsibilities	Transmission expansion planning - coordination between systems and determine who is obligated to build and pay for improvements	Being reviewed by PJM/MISO.		All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	No	1	FERC
27	System Reliability	Inter-Market and Intra-Market Facility Outage and Maintenance Coordination		Outage Maintenance Coordination	Being reviewed by PJM/MISO. See PJM presentation "Status Report to FERC on July 31, 2002 Alliance Order" dated Jan 2003, page 6 as posted under NAESB WEQ Seams subcommittee July 8 date	45 (was #27.5)	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	D	?	
28	Transmission Service	Transmission Service Settlement	Consolidate Multiple Market Transmission Service Settlement Statements	Multiple transmission service charge invoicing	Being reviewed by PJM/MISO.		All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	No	3	
29	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Allocation of transmission capacity on reciprocal flow gates amounts to transmission service without compensation. Legitimizes "parallel loop flow".		14, 16, 43, 117, 141	RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E		
30	Congestion Management	Operate Markets Within Transmission Limits		Market allocations over flow gates are approved without regard to flow gate capacity resulting in over subscription of flow gates.			RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E		NERC
31	System Reliability	Unscheduled/Parallel Path Flow Management	Interchange Distribution Calculator Requirements	MISO- PJM will do their own flowgate contribution analysis and send to NERC IDC if the 5% threshold is exceeded for an individual generator. IDC will not have complete information.			RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E		
32	Congestion Management	Transmission Market Design	Transmission Service Product Type Priority	MISO- PJM market allocation will give preference to the market as Network over PTP even though the Market allocation my be a non paying transmission customer.			RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E		(Delete ?)
33	Transmission Service	Transmission Service Procurement	Intra-Hour Transmission Service Procurement	Standard for Purchasing of Inter-Hour Transmission	The ability to purchase transmission after the top of the hour when the transmission service is predetermined as available in prior hour.		All	All	All	Market Rule / Business Practice	No	Tony Reed - Southern	No		
34	Market Standards	Energy Market Standard Product Definitions		Clarification of Product Definitions	Complete/Standard definitions for Liquidated Damages (LD), "Into", etc.	10, 25, 111, 139	All	All	All	Market Rule / Business Practice	No	Tony Reed - Southern	No		
35	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	LMP prices at borders of RTOs with markets (Price cap included)			RTO Market to RTO Market	All RTOs with market	All RTOs with market	Market Rule / Business Practice		Raj Rana - AEP	No	3	
36	Congestion Management	Congestion Management Market Coordination	Coordinate Hedging Instruments at Market Interfaces	Coordination of market based congestion hedging instruments, such as FTRs, between adjacent RTOs with markets, especially for out and thru' transactions		59	RTO Market to RTO Market	All RTOs with market	All RTOs with market	Market Rule / Business Practice		Raj Rana - AEP	No	3	
38	Transmission Service	Transmission Service Pricing	Market Interface Transmission Service Pancaking	Rate Pancaking	Charges to Market Participants who conduct business over more than one RTO. Reciprocal agreements needed to eliminate these charges. NYISO and ISO-NE		All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No		
39	Transaction Scheduling	Controllable Line Scheduling		Controllable Line Scheduling	Concept of operations for general methodology to schedule controllable lines between RTOs. Being reviewed by NYISO	58	All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No		
40	Transmission Service	Transmission Market Standard Product Definitions and Priorities	Multiple Proxy Bus Development	Multiple Proxy Buses for Free Flowing Interfaces	Development of multiple proxy buses between RTOs for scheduling and pricing.		All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No		
41	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Inter-Market Ramping Requirements Standardization	Scheduling Coordination (including Ramp Rates)	RTOs have different ramp rates and scheduling requirements that require Market Participants to complete multiple submissions for the same transaction.		All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No		
42	Market Standards	Market Standard Communication Protocols and Transparency		Data Visibility	Inability to view neighboring markets information through a common software such that this sometimes hinders Market Participants ability to complete business in a timely fashion.		All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No		
43	Congestion Management	Standardize and Coordinate ATC Calculations	Contract Tie Capacity Sharing	Allow Sharing Contract Tie Capacity between Entities across Seams	Lack of Coordination and Sharing of Tie Capacity is an artificial market barrier	27.1, 117, 141	All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	No	?	
44	Congestion Management	Standardize and Coordinate ATC Calculations	Standardize TRM and CBM Calculations	Calculation and Values of TRM and CBM consistent	Underutilization of Transmission Capacity		All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	F	?	
45	System Reliability	Inter-Market and Intra-Market Facility Outage and Maintenance Coordination		Coordination of Transmission and Generation Outages	Both forced and planned outages	27.5	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	?	NERC
46	Planning	Transmission Expansion and Generator Interconnection Coordination	Generator Interconnection - Affected Systems	Generation Interconnection Studies	Generation Interconnections close to seam affects both areas	114, 57	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	?	FERC

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
47	Congestion Management	System Market Modeling Coordination		Operational Model Updates	Areas must have up to date models for operational use of other areas across the seam		All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	?	
48	System Reliability	Emergency Operations	Computer Failures	Communication of Computer Failures	Needed for reliable operations and emergency operations		All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	?	NERC
49	System Reliability	Emergency Operations	Emergency Operating Procedures for Market Interfaces	Emergency Procedures	Emergency procedures require operations across seams	118	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	?	NERC
50	System Reliability	Generation-Load Balance	Interchange Schedule Ramping Requirements	Schedule Ramp Management	Ramping standard differences across the seams hinder business	108	All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	No	?	NERC
51	System Reliability	Generation-Load Balance	Inter-Market Resource Requirements	Resource Adequacy	Parties in one area rely on resources in other areas. Validation of their reliance on the other area must be coordinated.	May need to be subdivided, 5	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	?	NERC
52	Market Standards	Market Standard Communication Protocols and Transparency		Confidentiality of Data and Information Shared	Standards of Confidentiality would enhance the capability to resolve data sharing and information posting	42	All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	No	?	
53	Congestion Management	Transmission Market Design	Transmission Service Product Type Priority	CAISO ETC rights scheduling - Contract Reference Number	CAISO uses Contract Numbers to track ETC rights. This causes Phantom Congestion and does not allow ETC rights holders to sell and schedule their transmission	14, 16, 94, 95, 141, 142	CAISO Market to Non CAISO market	Non ISO market	CAISO market	Market rule/Business practice/ CAISO software	No	Robert D. Schwermann - SMUD	No		
54	Transmission Service	Transmission Service Pricing	Discounting of Market Interface Transmission ATC	Transmission service charge discounting	Ability for TOs to discount TSC rates on external interfaces to selectively reduce export charges and encourage use of ties. The software exists, however, there does not appear to be any business incentives to exercise discounts.		RTO Market to RTO Market	ISO New England	NY ISO		Northeast ISO	Joe Rossignoli - National Grid	G		
55	Congestion Management	Standardize and Coordinate ATC Calculations and Postings		Improved TTC/ATC posting	Monthly and yearly posting of TTC/ATC values to support transaction pre-scheduling. Clarify how the ATC values calculated by each ISO should be used to ascertain the ability of the interface to support transactions.		RTO Market to RTO Market	ISO New England	NY ISO		Northeast ISO	Joe Rossignoli - National Grid	G		
56	Transmission Service	Transmission Service Settlement	Consolidate Multiple Market Transmission Service Settlement Statements	Multiple transmission service charge invoicing	Companies that conduct business across Control Area borders are faced with receiving a TSC bill from each TO. A single charge should be provided to each transaction to the appropriate parties and revenues allocated to the TOs according to the appropriate usage formulas.		RTO Market to RTO Market	ISO New England	NY ISO		Northeast ISO	Joe Rossignoli - National Grid	G		
57	Planning	Transmission Expansion and Generator Interconnection Coordination	Generator Interconnection Transmission Requirements	Transmission interconnection procedures	Need consistent approach to treating merchant generation interconnection procedures with transmission	46, 114	RTO Market to RTO Market	ISO New England	NY ISO		Northeast ISO	Joe Rossignoli - National Grid	G		FERC
58	Transaction Scheduling	Controllable Line Scheduling		Controllable line scheduling	Concept of Operations for general methodology to schedule controllable lines has been drafted. A multi-ISO stakeholder group (similar to JCAG) needs to be formed to review the draft Concept of Operations to provide stakeholder input.	39, 60	RTO Market to RTO Market	ISO New England	NY ISO		Northeast ISO	Joe Rossignoli - National Grid	G		
59	Congestion Management	Standardize and Coordinate ATC Calculations	Coordinate Hedging Instruments at Market Interfaces	Inter-control area congestion management / parallel flow management	Develop congestion hedges across control area boundaries.	36	RTO Market to RTO Market	ISO New England	NY ISO		Northeast ISO	Joe Rossignoli - National Grid	G		
60	Transaction Scheduling	Controllable Line Scheduling		Cross-border price convergence	The lack of price convergence at the control area boundaries may inhibit the desire of market participants to arbitrage between neighboring markets. This issue is being referred to the individual ISO Market Committees for further definition on the business issue that needs resolution.	58	RTO Market to RTO Market	ISO New England	NY ISO		Northeast ISO	Joe Rossignoli - National Grid	G		
61	Congestion Management	Standardize and Coordinate ATC Calculations and Postings	Reconcile ATC Calculations Between Physical and Financial Transmission Markets	Market Design - Prior to Day Ahead. Congestion Revenue Rights (CRRs) [Firm Transmission Rights (FTRs) in MD02, FTOs in RTO West]	Are all transmission rights both physical and financial required to be identical to mitigate the seams problems? (Issue #I.a.2)					Fundamental approach -- financial hedging and scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
62	Congestion Management	Congestion Management Market Coordination		Market Design - Prior to Day Ahead. Financial or Physical	Must the offerings be identical? How can congestion management discontinuities be mitigated? (Issue I.a.3)					Fundamental approach -- financial hedging and scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
63	Congestion Management	Congestion Management Market Coordination		Market Design - Prior to Day Ahead. Option or Obligation	Do different CM models create barriers to trade, and if so, how can these differences be mitigated? (Issue I.a.4)					Fundamental approach -- financial hedging and scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
64	Congestion Management	Congestion Management Market Coordination		Market Design - Prior to Day Ahead. Revenue Stream/ or Offset CM Cost	Must the term of congestion offerings be identical? How can congestion management discontinuities be mitigated? (Issue I.a.5)					Fundamental approach -- financial hedging and scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
65	Transmission Service	Transmission Service Procurement	Long-Term Transmission Service for New Construction	Market Design - Prior to Day Ahead. Duration	To the extent that longer term transmission rights are needed for new construction, can agreement be reached to issue long term rights? (Issue I.a.6)					Fundamental approach -- financial hedging issue.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
66	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Market Design - Prior to Day Ahead. Duration	How will rights for loop flows (non-contract flows) in other RTOs be allocated/acquired? (Issue I.a.7)					Fundamental approach -- financial hedging issue.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
67	Transmission Service	Transmission Service Procurement	Secondary Transmission Service Market Standardization	Market Design - Prior to Day Ahead. Primary Release Mechanism	There seems to be agreement here that a secondary market would be outside the RTO. If the resulting secondary market is not westwide, will coordination be needed? (Issue I.a.8)					Fundamental approach -- financial hedging issue.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
68	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	Market Design - Prior to Day Ahead. Secondary Market	To the extent that at a minimum congestion redispatch occurs in an RTO (i.e. a limited energy market), can a method be developed to produce consistent prices at the boundaries? If not, can price discontinuities be tolerated or managed? (Issue I.b.1)					Fundamental approach -- financial hedging issue.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
69	Congestion Management	System Market Modeling Coordination	Standardize Prices at Market Interfaces	Market Design - Day Ahead. Energy Spot Market	In order to achieve a uniform set of redispatch prices, if that is necessary, do the network models have to be identical, with the exact system? Each time each one is used does it have to be synchronized with the other RTOs or is a single process required? In addition do the programs that use the models have to be identical in order to get the uniform set of redispatch prices? (Issue I.b.2)					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
70	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	Market Design - Day Ahead. Congestion Management Market	If models with identical levels of detail for the West are not used by all three RTOs, do the various simplifications for areas outside any given RTO create problems in achieving a uniform set of redispatch prices? (Issue I.b.3)					Modeling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
71	Market Standards	Market Standard Communication Protocols and Transparency		Market Design - Day Ahead. Model spatial granularity	To what extent do RTOs need to see other RTOs' scheduling information? (Issue I.b.4)					Modeling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
72	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	Market Design - Day Ahead. Model spatial granularity	To the extent that at a minimum congestion redispatch occurs in an RTO (i.e. a limited energy market), can a method be developed to produce consistent day ahead prices at the boundaries? (Issue I.b.5)					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
73	Congestion Management	Operate Markets Within Transmission Limits		Market Design - Day Ahead. Model objective function	Who coordinates the scheduling constraints (i.e., security constrained dispatch) on paths that cross RTO boundaries to ensure that inter-RTO schedules do not exceed reliability standards? (Issue I.b.6)					Modeling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
74	Market Design	Transmission Ancillary Service Market Design and Coordination		Market Design - Day Ahead. Model objective function	What is the effect of linking energy and ancillary service markets in the optimizations on model coordination issues? (Issue I.b.7)					Financial approach -- scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
75	Congestion Management	System Market Modeling Coordination		Market Design - Day Ahead. Model objective function	Does the use of both AC and DC OPFs introduce compatibility problems? (Issue I.b.8)					Modeling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
76	Transaction Scheduling	Interchange Scheduling Standardized Protocols		Market Design - Day Ahead. Model objective function	Do differences in the scheduling requirements (e.g., requirements for balanced schedules) between RTOs create seams problems for inter RTO schedules? If so, can these problems be mitigated? (Issue I.b.9)					Modeling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
77	Market Monitoring/ Compliance	Anti-Gaming Coordination		Market Design - Day Ahead. Schedule Components	Will different RTO congestion management systems enhance opportunities for gaming or affect generation dispatch efficiency? (Issue I.b.10)					Financial approach -- scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
78	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Tools and Procedures to Accommodate Inter-Market Interchange Scheduling Requirements	Market Design - Day Ahead. Schedule Components	Can tools be developed for scheduling submission that assist the user in meeting any differences in protocols between RTOs? (Issue I.b.11)					Financial approach -- scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
79	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Standardize Inter-Market Scheduling Timelines	Market Design - Day Ahead. Other Scheduling Requirements	Should the time intervals and submission times be synchronized to mitigate obstacles to inter-RTO trade? (Issue I.b.12)					Financial approach -- scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
80	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	Market Design - Day Ahead. Other Scheduling Requirements	To the extent that at a minimum congestion redispatch occurs in an RTO (i.e. a limited energy market), can a method be developed to produce consistent prices at the boundaries that send the same signal to the market? If not, can price discontinuities be tolerated or managed? (Issue I.b.13)					Financial approach -- scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
81	Market Design	Transmission Ancillary Service Market Design and Coordination	Ancillary Service Prices at Market Interfaces	Market Design - Day Ahead. Congestion Prices.	Can a "best practice" model for definition and acquisition of ancillary services products be developed to produce consistent prices at the RTO boundaries? (Issue I.b.14)					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
82	System Reliability	Operating Reserves/Resource Adequacy	Reliability Aspects of Inter-Market Scheduling of Ancillary Services	Market Design - Day Ahead. Ancillary Service Market	How does bidding of ancillary services between or among RTOs affect the scheduling and dispatch obligations within the RTOs? Can this kind of trade between RTOs be accommodated? Does trade of these services between RTOs have implications for either the "exporting" or "importing" RTO's ability to meet reliability criteria? (Issue I.b.15)					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
83	Market Design	Transmission Ancillary Service Market Design and Coordination		Market Design - Day Ahead. Ancillary Service Market	When ancillary services are provided from within one RTO for another RTO, does the providing RTO recognize them as obligations within the seller's RTO? (Issue I.b.16)					Fundamental approach -- scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
84	Market Design	Transmission Ancillary Service Market Design and Coordination		Market Design - Day Ahead. Ancillary Service Market	How can AS bids be coordinated across three markets to avoid both double counting and inefficient limitations on bids? (Issue I.b.17)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
85	Market Design	Transmission Ancillary Service Market Design and Coordination	Transmission Service Requirements for Ancillary Service Delivery	Market Design - Day Ahead. Ancillary Service Market	Does the RTO of the A/S seller recognize the transmission capacity reservation required to enable the reserves to respond for outages in the RTO of the buyer? (Issue I.b.18)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
86	Market Design	Transmission Ancillary Service Market Design and Coordination	Ancillary Service Auction Coordination	Market Design - Day Ahead. Ancillary Service Market	All three propose auctions: Do the auctions have be identical? Is it possible to use price exchange (say as imputed bids) in connection with interactive calculation to minimize the spread between the A/S auctions? (Issue I.b.19)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
87	Market Design	Unit Commitment Procedure Standardization		Market Design - Day Ahead. Acquisition Mechanism	Does unit commitment need to be standardized? Is this an area where each RTO can have its own method, which matches its resource mix and system responsiveness? (Rapid response of hydro gen. versus lead time requirements for thermal gen.) (Issue I.b.20)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
88	Congestion Management	Transmission Market Design	Transmission Service Product Type Priority	Market Design - Day Ahead. Centralized Unit Commitment.	Does a recallable physical right conflict with a redispatch set in a day-ahead clearing process? (Issue I.b.21)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
89	Transmission Service	Transmission Service Procurement	Hour Ahead Transmission Service Market Standardization	Market Design - Day Ahead. Release of Unused Transmission Capacity after Close of DA Markets	How are boundary prices to be synchronized between RTO's if only one RTO has a hour ahead process? Is it necessary to align hour ahead markets? (Issue I.c.1)					Fundamental approach -- scheduling issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
90	Market Design	Energy Market Design and Coordination	Hour Ahead & Real-Time Energy Market Coordination Across Market Interfaces	Market Design - Hour Ahead. Timing	How does hour-ahead market integrate with neighbors who do not have hour-ahead process? (Issue I.c.2)					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
91	Market Design	Energy Market Design and Coordination	Hour Ahead & Real-Time Energy Market Coordination Across Market Interfaces	Market Design - Hour Ahead. Energy Market, Congestion Management Market, and Ancillary Services Market	Is it necessary to align real time markets? If so, can a method be developed to produce consistent real-time prices at the boundaries? (avoid an price discontinuity due to separate calculation of prices with different information.) (Issue I.d.1)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
92	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	Market Design - Real Time. Model objective function	How much would a common dispatch interval mitigate against price discontinuities at boundaries? (Issue I.d.2)					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
93	Market Design	Energy Market Design and Coordination	Hour Ahead & Real-Time Energy Market Coordination Across Market Interfaces	Market Design - Real Time. Dispatch interval	Can a method be developed to produce consistent real-time prices at the boundaries? (avoid an price discontinuity due to separate calculation of prices with different information.) If not, can discontinuities be tolerated or managed? [This may be more of a settlements issue than a consistency issue.] (Issue I.d.3)					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
94	Market Monitoring/ Compliance	Penalty/Sanction Coordination		Market Design - Real Time. Imbalance Price	Do penalties need to be the same in each RTO? (Issue I.d.4)	14, 16				Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
95	Market Monitoring/ Compliance	Penalty/Sanction Coordination		Market Design - Real Time. Penalties	Will inconsistent imbalance penalty practices hamper non-dispatchable resource sales across RTO boundaries? (Issue I.d.5)	14, 16				Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
96	Market Design	Market Settlement Systems	Energy Market Settlement Process at Market Interfaces	Market Design - Real Time. Penalties	Do settlement systems have to be common as long as price discontinuities at the boundaries are managed? (Issue I.e.1)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
97	Market Design	Market Settlement Systems	Energy Market Settlement Process at Market Interfaces	Market Design - Post Real Time. Settlement stages	How are inter-RTO settlements managed? (Includes the revenue adequacy issues related to achieving consistent prices.) (Issue I.e.2)					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
98	Market Design	Energy Market Design and Coordination	Demand Side Energy Market Coordination	Market Design - Post Real Time. Settlement stages	How does bidding or demand-side response between or among RTO's affect the scheduling and dispatch of obligations within the RTO's? Can these kinds of trades between RTOs be accommodated? Does trade of these services between RTOs have implications for either the exporting or importing RTOs ability to meet reliability criteria? (Title to power needs to be established) (Issue II).					Market issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
99	System Reliability	Operating Reserves/Resource Adequacy	Energy and Reactive Capacity Reserve Requirements	Demand Response Participation.	If there is an RTO capacity requirement for all RTOs, how will double-counting across RTOs be avoided? Note: RTO West and WestConnect are not currently proposing a resource adequacy requirement independent of the requirement for balanced schedules. (Issue X.1).					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		
100	System Reliability	Operating Reserves/Resource Adequacy	Energy and Reactive Capacity Reserve Requirements	Resource Adequacy. Resource Adequacy Assessment.	If there is an RTO capacity requirement for all RTOs, do different resource adequacy approaches result in different penalty structures and if so, does this create problems, e.g., opportunities for arbitrage? Note: RTO West and WestConnect are not currently proposing a resource adequacy requirement independent of the requirement for balanced schedules. (Issue X.2).					Other issues.	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA	No		NERC
103	Transmission Service	Transmission Market Standard Product Definitions and Priorities		Transmission Service - Market participants require consistent treatment of transmission products across multiple control areas to reduce perceived market risk, scheduling confusion and uncertainty.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	
104	Transaction Scheduling	Interchange Scheduling Standardized Protocols		Transmission Checkout Failure - Operators curtail transactions due to mismatched tag data, different MW volumes, etc. The curtailment of transactions due to data incompatibility is disruptive to both the marketplace and the reliable operation of the grid.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	
105	Transmission Service	Transmission Service Pricing	Market Interface Transmission Service Pancaking	Export Charges (Pancaking) - Control-area specific export charges remove incentives to transact business when transaction margins are of the same magnitude or less than the prevailing export charges. Such charges include transmission and ancillary service components.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	
106	Transaction Scheduling	Interchange Scheduling Standardized Protocols		Transaction Scheduling - Inconsistent information and market timing rules lead to uncertainty and risk that discourage the scheduling of some inter-regional transactions.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	
107	System Reliability	Transaction Curtailments	Market Impacts of Transaction Curtailments for Reliability Reasons	Transaction Curtailment - Transaction curtailments for security may extend beyond the reliability need due to differences in market timing. Extended curtailments are disruptive to both the marketplace and the reliable operation of the grid.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	NERC
108	System Reliability	Generation-Load Balance	Interchange Schedule Ramping Requirements	Failure of Transactions due to Ramping of Control Area Interchange - Desirable transactions between control areas may be "blocked" from access to the grid due to insufficient dispatch capacity to absorb large schedule changes while maintaining energy/load balance within the control area.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	2	
109	Congestion Management	Standardize and Coordinate ATC Calculations and Postings		ATC Differences - Individual control areas determine ATC for jointly operated transmission interfaces. Differences in ATC calculations can confuse the marketplace, which may react by avoiding transactions that would otherwise be economic due to the uncertainty and perceived risk.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	
110	Congestion Management	Transmission Market Design	Transmission Market Manipulation	ATC Manipulation - Market participants schedule transactions day-ahead and beyond with no intent to deliver energy. Cancellation in real-time by a market participant results in unused ATC, ramp capability that cannot be used by other market participants. Valuable capability is left unused.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	
111	Market Standards	Transmission Ancillary Service Market Design and Coordination	ICAP Market Standardization	Capacity Market - Differences in ICAP definitions, requirements, deliverability, and recall procedures have hampered the ability of suppliers to sell ICAP between Northeast ISOs (include regional resource adequacy model, external 30-minute reserves participation, harmonize demand response programs)		10, 25, 34, 139	Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
112	Transmission Service	Transmission Service Procurement	Transmission Service for ICAP Market	Long-term Transmission Service Availability to Support ICAP Transactions - Firm transmission reservation requirements to establish "Deliverability" as a requirement to buy external ICAP results in an economic advantage for internal suppliers and a barrier to market entry for external suppliers.			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	3	
113	Market Design	Green Power Market		Green power attributes trading			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	No	3	
114	Planning	Transmission Expansion and Generator Interconnection Coordination	Interregional Transmission Planning Procedures	Coordination of interregional planning including transmission facilities and generator interconnection procedures			Market to Market	PJM	ISO NE, NY ISO	Market Rule / Business Practice	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	H	1	FERC
115	Congestion Management	Congestion Management Market Coordination	Standardize Congestion Management Market Data Exchange	Congestion Management Procedures including reciprocal coordination agreement, exchange of data for real-time and projected operations, SCADA, EMS, Operations Planning and Planning information and models; better granularity, avoid double counting, use of state estimator and LMP to enable RTOs to accurately and consistently quantify flows/impacts outside of NERC IDC to enable RTO to RTO and market to market congestion management to achieve greater efficiencies without calling TLRs; MISO and PJM and expansions to use same methods.	Definition of AFC coordination process between RTOs.		All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	I	1	
116	Congestion Management	Standardize and Coordinate ATC Calculations and Postings		ATC/AFC Coordination - MISO and PJM to coordinate with any external parties wishing to do so, respecting all significant flowgates external to their respective boundaries; availability and levels of service and curtailments for firm and non-firm, network and point to point.			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	No	2	
117	Transmission Service	Transmission Service Procurement	Common Reservation System for Market Interface Transmission ATC	Contract Tie Capacity - One Stop Shopping			All	PJM	MISO	Market Rule / Business Practice	No	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	No	2	
118	System Reliability	Emergency Operations	System Restoration Procedures	Emergency and Restoration Plans - operating procedures for Voltage Collapse and Stability		46	All	PJM	MISO	Market Rule / Business Practice	Included in Attachment A of MISO and PJM Reliability Plans	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	I	2	NERC
119	System Reliability	Operating Reserves/Resource Adequacy	Energy and Reactive Capacity Reserve Requirements	NERC Regional Criteria and Reserve Sharing - define operating policy changes, waivers, or certifications that are needed to permit security-constrained dispatch over multiple existing control areas to allow flows not to be tagged; Joint Reliability Coordination - NERC Policies 5 and 9			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	2	NERC
120	System Reliability	Inter-Market and Intra-Market Facility Outage and Maintenance Coordination		Facilities in close electrical proximity under different RTOs - outage maintenance coordination, access and expansion planning			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	1	NERC
121	Congestion Management	System Market Modeling Coordination		Market flow data - reflect ISN and SDX data	Standardize inputs to estimation of power flows (i.e., GLDFs, outages, etc…).		All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	3	
122	System Reliability	Functional Model		Control area - control zone responsibilities vs. market operator			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	1	NERC
123	Congestion Management	System Market Modeling Coordination		GDLF calculation	Standardized methodology for determining distribution factors - standard OPF model for each interconnection?		All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	?	

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
124	Transmission Service	Transmission Market Standard Product Definitions and Priorities		Wide area dispatch and network resources to network loads - resource deliverability if not a firm network load			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	3	
125	Congestion Management	Determining Control Area Boundaries		Retention of former CAs in the model	When expanding Control Area boundaries (i.e., merging Control Areas) is it necessary to retain "Historic" boundaries for use in NNL estimation or other reasons?		All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	3	
126	System Reliability	Unscheduled/Parallel Path Flow Management	Interchange Distribution Calculator Requirements	Definition of coordination between market entity (PJM or MISO) and the IDC; define necessary changes to IDC; updates of base cases and book of flowgates			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	1	
127	System Reliability	Unscheduled/Parallel Path Flow Management	Interchange Distribution Calculator Requirements	Industry oversight and reporting of PJM and MISO impact calculations - IDC cost, cost allocation to reimburse NERC			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	3	
128	System Reliability	Emergency Operations	System Monitoring and Contingency Plans	Contingency plans; critical path analysis		14, 16	All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	2	NERC
129	Congestion Management	Congestion Management Market Coordination		Selection process for market/TLR coordinated flowgates; inclusion of flowgates in PJM FTR/ARR auctions; flowgates with and without effective control by markets; updates to flowgate list, phase-in; dispute resolution; let RTO calculate flows outside of IDC and TLR; audit rights; confidentiality of data; consideration of flowgates outside PJM and MISO	Standardized rules for determining flowgates impacted by an RTO.		All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	1	
130	Congestion Management	Operate Markets Within Transmission Limits		What happens when MISO and PJM and outside PJM/MISO firm and CBM exceed TTC - day ahead mechanism to reduce oversubscribed conditions			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	2	
131	Market Design	Energy Market Design and Coordination		Express sunset provisions for implementation of Day 2 markets			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	1	
132	Congestion Management	Congestion Management Market Coordination	Joint Re-Dispatch Agreements	Interaction with American Transmission Company; possible joint redispatch agreement among ATC-PJM-Generators on ATC's system			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	K	3	
133	Congestion Management	Transmission Market Design	Redispatch of Generation	Define "RTO area wide dispatch"	AJR - This refers to centralized dispatch across a RTO Footprint, rather than within a CA Boundary.		All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	1	
134	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for parallel flows			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	2	
135	Congestion Management	System Market Modeling Coordination		Historic NNL values should not be reflected indefinitely in the future, and an appropriate mechanism to rationalize the historic flows to recognize eventual market conditions should be developed			All	PJM	MISO	Market Rule / Business Practice	In PJM/MISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	J	2	
136	Congestion Management	Standardize and Coordinate ATC Calculations and Postings	Reconcile ATC Calculations Between Physical and Financial Transmission Markets	Firm Transmission Service on IMO/MISO	ATC postings between a physical reservation system and a financial reservation system		RTO Market to RTO Market	NPCC	ECAR	Market Rule / Business Practice	No	Barry Green - Ontario Power Gen.	No		
137	Market Standards	Market Standard Operating Time		Inconsistent Market Event Timelines	Timing issues between bid based markets (one example only - not knowing whether your bid has been accepted in "sink" market before having to commit in the "source" market).		RTO Market to RTO Market	IMO	NYISO	Market Rule	No	Barry Green - Ontario Power Gen.	No		
138	Congestion Management	Congestion Management Market Coordination		Coordination of congestion	Several regional efforts are underway. Coordinate practices and methods between areas with different market approaches.		All	All	All	Business Practice	Yes	Karl Tammar - ISO/RTO Council	No		
139	Market Standards	Energy Market Standard Product Definitions		Standard definition of energy products	Energy products and services have common attributes in all markets. Standards definitions will improve efficiencies in communicating and operating between areas with various market designs	10, 25, 34, 111	All	All	All	Business Practice	Yes	Karl Tammar - ISO/RTO Council	No		

Seams Issues Matrix

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Assoc/ Notes	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Priority	Resp Org
140	Market Standards	Market Standard Communication Protocols and Transparency		Standard messaging protocols for market notifications	Market participants will benefit from common messaging protocols.		All	All	All	Business Practice	No	Karl Tammar - ISO/RTO Council	No		
141	Transmission Service	Transmission Market Standard Product Definitions and Priorities		Replacement of contract path with flow-based transmission service		14, 16, 94, 95	All	Eastern Inter-connection	Eastern Inter-connection	Business Practice	No	Ed Davis - Entergy	No		
142	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Pricing for native load loop flow impacts		14, 16, 94, 95	All	Eastern Inter-connection	Eastern Inter-connection	Business Practice	No	Ed Davis - Entergy	No		

TAB 8

MANAGING COMMITTEE REPORT

North American Energy Standards Board

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via email

TO: NAESB Managing Committee

FROM: Rae McQuade, NAESB Executive Director

RE: **Meeting with the FERC Commissioners**

DATE: November 18, 2003

Dear NAESB Managing Committee,

Leonard Haynes, Michael Desselle and I spoke with Chairman Wood recently, to discuss the 2004 Annual Plans, and the issues raised in Michael's open letter. We provided the draft 2004 plans approved by the Executive Committee and posted, which will be considered by the Board on December 4, along with Michael's open letter regarding WEQ activities and membership information. Below are my notes of that meeting:

Federal Energy Regulatory Commission **Monday November 10, 2003**

Met With: Chairman Patrick Wood and Mark Hegerle, Advisor to Commissioner Brownell

Observations:

- Chm. Wood opened the meeting by noting that he was concerned about our inability to provide more substantive standards for creditworthiness, and pointedly asked if our process on the wholesale gas side was "broken." He added that similar activities were expected for wholesale electric and he was unsure if he should request NAESB to address the market-based standards for WEQ creditworthiness, based on the submission of standards provided for WGQ.
- On LNG interchangeability, he noted that this was very important and would want to see some industry progress. He specifically referred a recent case involving "Cove Point and Washington Gas."
- On the issue of flexibility for gas intra-day nominations periods to enable electricity generators flexibility, he noted that this very important and wanted to see industry progress by the summer peak of 2004.
- He was very pleased that the retail quadrants have provided such strong work products for billing and payments and for creditworthiness.
- He is interested in the seams catalog and asked specifically how the FERC could assist in the process. We noted that when the catalog was completed it would be provided to the ISO Council, NERC and the FERC for its consideration and collective prioritization.
- He noted that coordination with the ISO/RTOs and joint activities will increase as he industry proceeds with the energy bill.
- With respect to our recent outreach meeting with western interests, that we should continue in the direction of our annual plans as noted.

- He was pleased to note NERC and NAESB have worked well together coordinating efforts and addressing the OSC and ESC transition. He reported that NERC had expressed the same positive results of our cooperation.
- He questioned whether we could reopen the contracts issue so that the industry through our ANSI approved process could review the work effort and determine if we should move forward.
- He understood that NERC would be making a filing in early June regarding the ERO creation, assuming the energy bill passes. With respect to the business practices that NAESB would develop complementary to the NERC reliability standards that would become mandatory, that we would continue to develop voluntary business practice standards and communications protocols and forward those to the FERC for consideration through the FERC's process.
- He appreciated Michael's letter regarding NAESB participation and will urge the industry to continue to stay involved.
- We expect a letter from Chm. Wood highlighting several aspects of our discussion with him.

Best Regards,

Rae

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, DC 20426

November 14, 2003

OFFICE OF THE CHAIRMAN

Ms. Rae McQuade, Executive Director
North American Energy Standards Board
1301 Fannin, Suite 2350
Houston, TX 77002

Dear ~~Ms.~~ Rae McQuade:

Thanks so much for coming in to share NAESB's annual plan for 2004. I appreciate all of the hard work NAESB is doing to create much-needed standard business practices in the electric and natural gas industries.

Several elements of your annual plan particularly intrigued me. I think that one of the most critical of these is the need for the electric and natural gas sectors to work together to resolve scheduling timeline differences, particularly with respect to intra-day gas nominations. This is one that I would very much like to see resolved prior to the summer 2004 peaking season.

Similarly, I note that in your open letter to the Wholesale Electric Quadrant the goal of developing complimentary business practices to NERC reliability standards and policies. The letter notes the need for knowledgeable industry personnel to achieve sustainable results. The goal of bringing commercial and reliability practices together certainly should be a high priority which is deserving of a commitment of resources to accomplish, preferably prior to the summer season.

In addition, I find it to be quite important to resolve LNG gas quality standards, as LNG is an important element of our natural gas supply and, in some areas like Maryland, feeds directly into the market area with little opportunity for commingling.

The creation of a standard purchase power contract with NAESB's involvement would ensure that all market participants would have an opportunity for input using NAESB's ANSI approved process, and would improve market liquidity.

Also, with respect to seams activities, you mentioned that NAESB is cataloguing issues, prioritizing and trying to make sure there is no duplication. This is a project worth investing some time and effort in.

Please let us know exactly how we can best help these efforts.

Best regards,

Pat Wood III
Chairman