



North American Energy Standards Board
Advisory Council Meeting
February 12, 2005

Meeting Materials

NAESB Advisory Council Meeting
February 12, 2005

December 14, 2004

OFFICE OF THE CHAIRMAN

Mr. Michael Desselle
Chairman and CEO, NAESB
Suite 2350
1301 Fannin
Houston, Texas 77002


Dear Mr. Desselle:

The January 2004 cold snap in New England highlighted the need for better coordination between natural gas pipelines and the electric grid, including ISO/RTOs and gas fired generators. During the first half of 2004, the NAESB Gas-Electric Coordination Task Force (GECTF) explored the underlying coordination problems and identified areas where standards development would help in resolving these problems. I am pleased to see that NAESB is beginning to work on standards stemming from the work of the GECTF to alleviate the coordination problem.

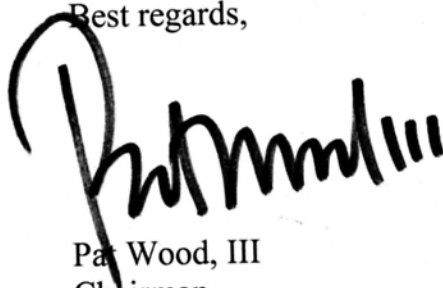
I want to emphasize how important I think the development of such standards is to ensure the smooth flow of gas to generators and to the public interest we all share of keeping the lights on and homes warm in the winters ahead. I am concerned that we may go yet another year without the improvements in communications between pipelines and generators and the necessary coordination of business practices of both industries. I believe that it is crucial for standards to be in place by next winter to alleviate these coordination problems.

In the past, when the need for such standardization was apparent, GISB stepped up and through the cooperation of all the industry facets was able to develop a core set of business practice standards in a short amount of time. I believe the same effort is needed now to integrate the business practices of the gas and electric industries. From my perspective, it is clearly more efficient and less costly for the industry to develop these standards through the consensus procedures of NAESB than for the Commission to set up its own procedures to try to accomplish this goal.¹ I therefore want to reiterate how pleased I am that the gas and electric industry segments are willing to put in the time and

¹ I was at the Commission when it first established the Working Groups to establish the first set of capacity release standards, and realize the time and expense that the industry had to incur in order to develop those standards under Commission auspices. The consensus procedures of NAESB are a more efficient and cost-effective method.

effort to reach the necessary compromises to develop these standards, and I look forward to seeing a NAESB filing by June 1, 2005, so that these standards can be in place by next winter.

Best regards,

A handwritten signature in black ink, appearing to read "Pat Wood, III". The signature is written in a cursive style with a large initial "P" and several loops.

Pat Wood, III
Chairman



North American Energy Standards Board

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TO: Advisory Council Members
FROM: James Cargas, NAESB Deputy Director
RE: NAESB Submissions in 2004-2005
DATE: February 12, 2005

The following standards, model business practices and reports were submitted to the Federal Energy Regulatory Commission (FERC) in 2004 and 2005. It has been noted where the FERC has taken action.

WGQ Version 1.7 Standards

On April 14, 2004, North American Energy Standards Board (NAESB) submitted its most current Wholesale Gas Quadrant (WGQ) Standards in Docket Nos. RM96-1-000 and RM98-1-000 et al. These standards were published by NAESB on Dec. 31, 2003. Version 1.7 updates and builds upon Version 1.6. On Dec. 21, 2004, FERC issued a Notice of Proposed Rulemaking (NOPR) proposing to adopt Version 1.7 as well as two sets of standards ratified subsequent to publication: standards implementing the standards of conduct contained in FERC Order No. 2004, and standards implementing gas quality reporting requirements. On Oct. 1, 2004, an errata was filed.

To access these filings, please go to: <http://www.naesb.org/protected/ferc041404.pdf> (filing);
<http://www.naesb.org/protected/ferc100104.pdf> (errata);
<http://www.naesb.org/protected/ferc122104.doc> (NOPR).

WEQ Seams Catalog

On June 15, 2004, NAESB submitted, for informational purposes only, the Wholesale Electric Quadrant (WEQ) Seams Catalog which was the product of the WEQ Seams Subcommittee. The catalog identified 134 electric seams issues. Of these, the Joint Interface Committee, a group composed of representatives from NAESB, the North American Electric Reliability Council (NERC) and the ISO-RTO Council (IRC) concluded that 26 issues could be addressed through the promulgation of business practice standards. The balance were either reliability issues better handled by NERC, regional issues better handled by the IRC, or required further information before an assignment could be made. NAESB has since received two requests for standards addressing 12 seams issues (R04020 and R04032).

To access this filing, please go to: <http://www.naesb.org/protected/ferc061504.pdf>.

WGQ Creditworthiness Standards

On June 16, 2004, NAESB submitted in Docket Nos. GT02-35-000 and GT02-38-000 the 10 WGQ creditworthiness standards approved by the WGQ Executive Committee (EC) and ratified by the WGQ membership. The WGQ Business Practices Subcommittee recommended 24 standards, which were also included in the submission as part of the record. FERC issued a NOPR on Feb. 12, 2004 in Docket No. RM04-4-000 proposing to adopt the 10 standards plus some of the other proposed standards that were discussed at the EC but not adopted. This NOPR has since been consolidated with the Commission's consideration of WGQ Version 1.7 standards (see above).



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To access these filings, please go to: <http://www.naesb.org/protected/ferc061603.zip> (submission);
<http://www.naesb.org/protected/ferc062503sup.pdf> (supplemental filing on June 25, 2004);
<http://www.naesb.org/protected/ferc021204.pdf> (NOPR).

WGQ Order 2004 Standards of Conduct

On Aug. 6, 2004, NAESB submitted in Docket Nos. RM96-1-000, RM98-10-000 and RM01-10-000 its standards implementing the wholesale gas standards of conduct contained in FERC Order No. 2004. The standards of conduct govern the relationship between companies that transmit energy and their affiliates. Subsequently, FERC issued Order No. 2004-B on Aug. 2, 2004 and Order No. 2004-C on Dec. 21, 2004. On December 21, FERC proposed to adopt these standards in conjunction with the WGQ Version 1.7 standards (see above) with one change. Since the standards were developed prior to the issuance of Order No. 2004-A, and Revised Standard 4.3.23 does not specify a location for posting voluntary consent to information disclosure by non-affiliated customers as required by § 358 of the Commission regulation, the NOPR proposes amending the standards to permit such postings. NAESB is in the process of making the amendment and anticipates completion before a final order is issued.

To access these filings, please go to: <http://www.naesb.org/protected/ferc080604.pdf> (submission);
http://www.naesb.org/protected/ferc122104_order2004c.doc (FERC Order No. 2004-C).

WGQ Gas Quality Reporting Standards

On Nov. 1, 2004, NAESB submitted in Docket Nos. 96-1-000 and RM98-10-000 the WGQ gas quality reporting standards. The standards provide for the posting of gas quality information on transportation service providers (TSPs) web sites, and address: (1) reporting physical and chemical properties of natural gas defined in pipeline tariffs in a standardized format on the informational postings portion of the pipeline web site, and (2) reporting the average daily gas quality data collected at points representative of mainline flow in a standardized downloadable format. In a NOPR dated Dec. 21, 2004, FERC proposed to also adopt these standards in conjunction with the WGQ Version 1.7 standards (see above).

To access this filing, please go to: <http://www.naesb.org/protected/ferc110104.pdf>.

Gas-Electric Coordination Task Force Final Report

On Nov. 30, 2004, NAESB submitted, for informational purposes only, the Final Report from the Gas-Electric Coordination Task Force (GECTF). The report identified gas-electric coordination issues, provided a level of categorization of these issues, and identified which issues could be addressed through the development of NAESB standards. Since submitting the Final Report, three such requests for standards have been submitted: R04016, the development of a standard energy day; R04020, the development of standards relating to electric transaction scheduling and timelines; and, R04021, the development of standards to address daily communications between pipelines and power generation facilities. The scoping activities of GECTF have been carried on by the newly formed Board level Gas-Electric Interdependency Committee.

To access this filing, please go to: <http://www.naesb.org/protected/ferc110104.pdf>.



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WEO Version 0, OASIS and Standards of Conduct Standards

On Jan. 18, 2005, NAESB submitted in Docket No. RM05-1-000 its first complete set of wholesale electric standards. The filing included three sets of standards: (1) business practices that address Open Access Same-Time Information Systems (OASIS) and OASIS Standards & Communications Protocol (S&CP) and Data Dictionary; (2) business practices that directly related to the North American Electric Reliability Council's (NERC) Version 0 reliability standards for coordinate interchange, area control error (ACE) equation special cases, manual time error correction, and inadvertent interchange payback; and (3) standards implementing the wholesale electric standards of conduct contained in FERC Order No. 2004.

Due to its size, this filing is posted in three parts, which can be accessed at:

http://www.naesb.org/protected/ferc011805_cover_letter.pdf (cover letter);

http://www.naesb.org/protected/ferc011805_report.pdf (report);

http://www.naesb.org/protected/ferc011805_appendices.pdf (appendices).

SDOAA Filing

In addition to the above FERC filings, NAESB submitted its one-time notification under the Standards Developing Organizations Advancement Act of 2004 (SDOAA) on Sept. 17, 2004. This submission to the U.S Department of Justice Antitrust Division and the U.S. Federal Trade Commission "registers" NAESB as a Standards Developing Organization (SDO). SDOAA extends the protections provided researchers under the National Cooperative Research and Production Act of 1993, to standards developing organizations. SDOAA does not change our anti-trust responsibilities, it only limits the potential damages for violations. SDOAA also provides for SDO's to benefit from courts applying a case-by-case "rule of reason" antitrust analysis to standards development activities even where the rule of per se illegality otherwise might apply. The benefit of receiving rule of reason treatment for a questioned action that otherwise would be deemed illegal per se is significant. Finally, SDO's may recover attorneys' fees from plaintiffs that bring unsuccessful antitrust claims against them.

To access this filing, please go to: http://www.naesb.org/protected/doj_ftc_091704.pdf.



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NORTH AMERICAN ENERGY STANDARDS BOARD

**2005 WEQ Annual Plan Approved by the NAESB Board of Directors on December 9, 2004
 Revised by the WEQ EC February 8, 2005**

| Item Description | Completion ¹ | Assignment |
|--|---|---------------------------------------|
| 1 Develop business practices standards as needed to complement reliability standards | | |
| Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs). Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are: | | Business Practices Subcommittee (BPS) |
| a) Determine enhancements to "Version 0" business practices and/or new business practices as identified in the Version 0 development process. | High Priority | |
| i) Catalogue and prioritize enhancements to "Version 0" business practices as identified in the Version 0 development process (i.e. meeting minutes) and comment periods. | High Priority 1 st Q 2005 | BPS |
| ii) Develop enhancements to "Version 0" business practices and/or develop new business practices as identified in the Version 0 development process (i.e. meeting minutes) and comment periods. | As Requested High Priority | Various |
| b) Make version 1 changes to business practices related to functional model entities as NERC undertakes the same efforts, (Interchange Authority, Reliability Authority, Transmission Service Provider and Purchasing-Selling Entity for Interchange Market Operator for Interchange). | Ongoing | BPS |
| c) Develop Inadvertent Interchange Payback Business Practices (2003 WEQ Annual Plan Item 6) | 4 th Q, 2005 | BPS |
| d) Develop business practices to support Coordinate Interchange – update already adopted version 1 to reflect version 1 NERC CI (R03013, R05001) <i>Dependent on NERC activities.</i> | 4 th Q, 2005 Low Priority | BPS |
| e) Develop business practice standards to support Operate Within Limits (R03017) <i>Dependent on Action item 1(f).</i> | 2006 | BPS |
| f) Develop business practices to support the reliability components of TLR | 4 th Q, 2005 | BPS |
| g) Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC). <i>Dependent on Action item 1(f).</i> | 2006 | BPS |
| h) Develop jointly with NERC a Joint NERC/NAESB Operating training manual. | 2005 High Priority | TBD |
| 2 Develop business practice standards for Version 1 to support ATC calculations | | |
| a) Review Version 0 NERC reliability standards and comments regarding ATC calculations to determine if business practice standards are needed for NAESB Version 1. Develop business practices if needed. | 1 st Q, 2005 | BPS |

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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2005 WEQ Annual Plan Approved by the NAESB Board of Directors on December 9, 2004

Revised by the WEQ EC February 8, 2005

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|--|-------------------------|--|
| <i>Completed.</i> | | |
| b) Develop version 1 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards may be based on recommendations from NERC's Long Term ATC/AFC Task Force and could involve revised procedures for the ATC calculation and/or revised protocols for coordination between neighboring transmission providers and/or amendments to existing TLR procedures. | Ongoing | BPS |
| 3 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: | 2005 | Electronic Scheduling Subcommittee (ESS) and Information Technology Subcommittee (ITS) |
| i. Ongoing maintenance and enhancement of OASIS Phase IA Business Practices and S&CP, including but not limited to: | | |
| 1) Clarification of definitions and terminology in OASIS Business Practices | 2 nd Q, 2005 | ESS/ITS |
| 2) Business Practices for the resale or reassignment of transmission service (R04006D) | 3 rd Q, 2005 | ESS/ITS |
| 3) Implementation of "release" mechanism in the OASIS S&CP to complement non-firm redirects | 3 rd Q, 2005 | ESS/ITS |
| 4) Network Services: determine if business practice standards or other support is needed to support use of OASIS for Network Service transactions. | 2006 | ESS/ITS |
| 5) Registry: determine if business practice standards are needed to support the registry functions currently supported by NERC. | 2006 | ESS/ITS |
| ii. OASIS Phase II per FERC ANOPR (Docket no. RM00-10-000) and subsequent orders: | 2006 | ESS/ITS |
| 1) Adoption/maintenance of ESC use cases (R04007) | | |
| 2) Adoption/maintenance of Functional Requirements Document (R04007) | | |
| 3) Develop and maintain business practices to support and implement the ESC use cases (R04007) | | |
| 4) PKI Initiative (e-MARC) (R03007) | | |
| b) Develop and/or maintain standard communication protocols and cyber-security requirements as needed, including related industry standard communication protocols and cyber-security requirements | 2006 | ITS |
| i. OASIS Phase II per FERC ANOPR (Docket no. RM00-10-000) and subsequent orders (R04007) | | |
| ii. Develop companion business practices to NERC's Cyber Standard | | |



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|---|-------------------------|-----------------|
| (1300), and specifically review section 1303-Personnel & Training to determine if business practices are needed. | | |
| c) Develop business practices as needed for clarification of definitions and terminology in the Standards of Conduct. | 2 nd Q, 2005 | ESS/ITS |
| d) Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. | 4 th Q, 2005 | DUNs Task Force |

4 Develop business practices standards to Improve the Current Operation of the wholesale electric market

| | | |
|---|---|-------------------------------|
| a) Evaluate the entries on the seams catalog, determine the need for business practice standards and draft the standards requests to develop business practice standards to complement or assist specific seams mitigation efforts as noted in the seams catalog. | Ongoing | Seams Subcommittee and others |
| b) Develop business practice standards according to approved and assigned standards requests that complement or assist specific seams mitigation efforts as noted in the seams catalog. | As Requested | Various |
| c) Develop business practices to support Western Interconnection Tag Definitions (R04032) | Low priority 4 th Q, 2005 | BPS |

5 Determine the need for and develop, if necessary, business practice standards supportive of the Gas-Electric Coordination Report

| | | |
|---|--|-----|
| a) Evaluate and develop business practice standards for Energy Day (R04016) | 4 th Q, 2005 | BPS |
| b) Evaluate and develop business practice standards for electric scheduling timelines (R04020). | 4 th Q, 2005 | ESS |
| c) Evaluate and develop business practice standards for communications between entities representing gas-fired power generators and the pipelines serving them (R04021) | 2 nd Q, 2005 High Priority | BPS |

PROVISIONAL ITEMS

- 1 Develop business practice standards as requested by the regional and state advisory groups.
- 2 Using the NERC Interconnected Operations Services reference document (March 2002, version 1.1) as a guide and starting point, develop business practices as necessary for ancillary services and/or interconnected operating services transactions.



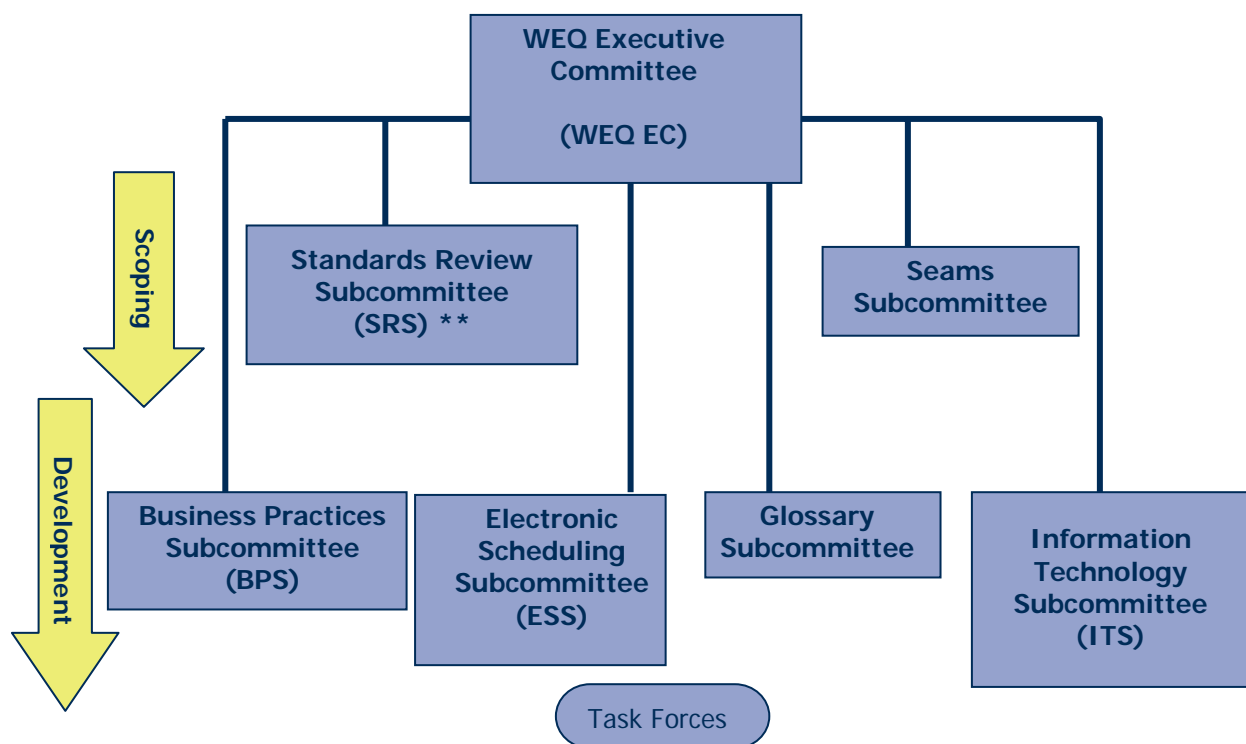
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NAESB Wholesale Electric Quadrant Committee Structure



NAESB WEQ EC and Leadership is:

Executive Committee: Lou Oberski (WEQ EC Chair) and Tony Reed (WEQ EC Vice Chair)

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

Seams Subcommittee: Vacancy, Joe Rossignoli

Business Practices Subcommittee: Phil Cox, Kathy York and Joel Dison

- Inadvertent Interchange Task Force: Phil Cox and John Power
- Energy Day Task Force: Lou Oberski, Phil Cox, Kathy York and Joel Dison
- TLR Task Force: Michael Desselle
- Operate Within Limits Task Force: Raj Rana
- Coordinate Operations Task Force: Narinder Saini

Electronic Scheduling Subcommittee: John Power and Paul Sorenson

- OASIS 2 Task Force: Paul Sorenson and Jagjit Singh
- OASIS 1A Task Force: Bob Harshbarger
- Coordinate Interchange Task Force: Roman Carter

Glossary Subcommittee: Tony Reed and Sherri Monteith

Information Technology Subcommittee: Monroe Landrum

** Please note that the NERC Markets Committee may be reconstituted in 2005 and the efforts undertaken by the Standards Review Subcommittee would be assumed by the individual NAESB Subcommittees, with the coordination with NERC addressed through the reconstituted NERC Markets Committee functions. If so, the Standards Review Subcommittee would no longer exist.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2005 ANNUAL PLAN – RETAIL GAS QUADRANT¹
Approved by the Board of Directors December 9, 2004
As modified by Retail Gas Quadrant Executive Committee
On February 2, 2005

| Item Number & Description | Completion ² | Subcommittee ³ Assignment |
|--|------------------------------|--|
| 1 Billing & Payment Datasets and Models | | CPS/BPS |
| a. Develop the Data Sets for the Billing & Payments MBPs Status: Pending, Discussion Underway | 1 st Qtr 2005 | CPS/BPS |
| b. Modify Billing & Payments MBPs pursuant to Request R04034. | 1 st Qtr 2005 | CPS/BPS |
| c. Develop the Data Sets for the Billing & Payments MBPs Status: Pending, Discussion Underway | 1 st Qtr 2005 | No action necessary, to be completed by CPS/BPS, pursuant to item 1 (a) |
| d. Technical Electronic Implementation Standards – Billing & Payments Status: Pending, Discussion Underway | 2 nd Qtr 2005 | TEIS |
| 2 Market Participant Interactions | 1 st Qtr. 2005 | SUIS/BPS |
| 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). Status: Trading Partner Agreement Discussion Underway; Otherwise Complete | | |
| 3 Customer Information | 2 nd Qtr. 2005 | BPS |
| Develop practices for exchanging customer information necessary for interactions prior to enrollment and billing, i.e., customer authorization procedures identifying types of customer information necessary for pre-enrollment activities, and methodologies for exchanging information. | | |

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.

³ Assignments are subject to approval of the proposal to restructure the subcommittees.

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Approved by the Board of Directors December 9, 2004
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| Item Number & Description | Completion² | Subcommittee³ Assignment |
|---|-------------------------------|--|
| 4 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. 2005 | BPS |
| 5 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. | Ongoing | BPS |
| Technical Electronic Implementation Subcommittee⁴ | | |
| 6 Quadrant EDM Establish the Quadrant specific EDM (QEDM) standards for REQ and RGQ. Status: Pending, Discussion Underway | 1 st Qtr. 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. | | |
| Electronic Customer Billing - Develop practices for the provision electronically of billing information. | | |
| Future Activities | | |
| Customer Inquiries Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. | TBD | |
| Supplier Certification Develop practices for Distribution Companies to register/certify new Suppliers when they seek to begin doing business in the Distribution Company's service area. | TBD | |
| Program of Standards Maintenance & Fully Staffed Standards Work⁵ | | |

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.

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

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| | | |
|--|---------|--|
| 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 |

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| | d. Technical Electronic Implementation Standards – Billing & Payments Status: Pending, Discussion Underway | 2 nd Qtr 2005 | TEIS |
| 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). Status: Trading Partner Agreement Discussion Underway; Otherwise Complete | 1 st Qtr. 2005 | SUIS/BPS |
| 3 | Customer Information Develop practices for exchanging customer information necessary for interactions prior to enrollment and billing, i.e., customer authorization procedures, identifying types of customer information necessary for pre-enrollment activities, and methodologies for exchanging information. | 2 nd Qtr. 2005 | BPS |

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| Review security standards as may be deemed necessary; Public Key Infrastructure (PKI). | | |
| "Energy Day" Standard - including assessment of changes to existing NAESB standards. | | |
| Electronic Customer Billing - Develop practices for the provision electronically of billing information. | | |
| Future Activities | | |
| Customer Inquiries Develop procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. | TBD | |
| Supplier Certification Develop practices for Distribution Companies to register/certify new Suppliers when they seek to begin doing business in the Distribution Company's service area. | TBD | |
| 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. | TBD | |

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.

North American Energy Standards Board

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NORTH AMERICAN ENERGY STANDARDS BOARD
2005 ANNUAL PLAN – RETAIL ELECTRIC QUADRANT¹
Approved by the Board of Directors December 9, 2004
As modified by Retail Electric Quadrant Executive Committee
On February 2, 2005

| Item Number & Description | Completion² | Assignment³ |
|---|-------------------------------|--|
| Load Profiling Develop practices for using statistical methods to estimate interval consumption by customers who do not have interval meters. | TBD | |
| Settlement Process Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ. | TBD | |
| Program of Standards Maintenance & Fully Staffed Standards Work⁵ | | |
| 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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TO: Posting on NAESB Web Site
FROM: Rae McQuade, NAESB Executive Director
RE: Board Gas-Electric Interdependency Committee – Named Board Members
DATE: November 3, 2004

The Board Gas-Electric Interdependency Committee is chaired by Jim Templeton. The named Board members that comprise the Board Gas-Electric Interdependency Committee are as follows:

| Name | Organization | Quadrant | Phone | Email |
|------------------|--|----------|--------------|--|
| Vicky Bailey | Johnston & Associates | | 202-659-8400 | vbailey@johnstondc.com |
| Adrian Chapman | Washington Gas Light | WGQ | 703-750-7677 | achapman@washgas.com |
| Mark Crosswhite | Southern Company | WEQ | 205-257-0472 | macrossw@southernco.com |
| Michael Desselle | American Electric Power | WEQ | 214-777-1083 | mddesselle@aep.com |
| Pete Frost | ConocoPhillips Gas & Power Marketing | WGQ | 202-833-0917 | Pete.w.frost@conocophillips.com |
| Robert Gee | Gee Strategies | | 703-698-2033 | racbud@ix.netcom.com |
| Leonard Haynes | Southern Company Services | REQ | 404-506-0206 | ljhaynes@southernco.com |
| Sheila Hollis | Duane Morris | | 202-776-7810 | sshollis@duanemorris.com |
| Reed Horting | PECO Energy | WGQ | 215-841-6410 | Reed.horting@exeloncorp.com |
| Ron Jackups | Cinergy | WEQ | 513-287-3812 | Ron.jackups@cinergy.com |
| Richard Kruse | Duke Energy Gas Transmission | WGQ | 713-627-5368 | rkruse@duke-energy.com |
| Mark Maassel | Northern Indiana Public Service Company (NiSource, Inc.) | RGQ | 219-647-6400 | mtmaassel@nisource.com |
| Lyn Maddox | Lyn Maddox Consulting | WGQ | 281-465-8539 | linmaddox@sbcglobal.net |
| Jim Mayhew | Mirant | WEQ | 678-579-3421 | Jim.mayhew@mirant.com |
| Randy Mills | ChevronTexaco | WGQ | 713-752-7815 | Randymills@chevrontexaco.com |
| Dave Pfeifer | SunGard EnForm Consulting | RGQ | 713-350-1020 | david.pfeifer@sungard.com |
| John Procaro | Cinergy | WGQ | 513-287-3657 | jprocaro@cinergy.com |
| Richard Rudden | RJ Rudden Associates, Inc. | RGQ | 631-348-4090 | rrudden@rjrudden.com |
| Rick Smead | Navigant Consulting | WEQ | 713-646-5029 | rsmead@navigantconsulting.com |
| Larry Smith | El Paso Eastern Pipelines | WGQ | 713-420-4299 | Larry.smith@el Paso.com |



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| | | | | |
|------------------|--|-----|--------------|--|
| Dennis Sobieski | PSEG Power | WEQ | 973-430-6698 | Dennis.sobieski@pseg.com |
| Joe Stepenovitch | Florida Reliability Coordinating Council | WGQ | 561-371-4722 | joestep@frcc.com |
| Jim Templeton | Comprehensive Energy Services | WGQ | 713-759-6999 | jrtemplton@aol.com |
| Jeanne Zaiontz | BP Energy | WEQ | 281-366-4507 | zaiontj@bp.com |



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GAS-ELECTRIC INTERDEPENDENCY COMMITTEE

MISSION STATEMENT

“The Chairman of the NAESB Board of Directors created the Gas-Electric Interdependency Board Committee on September 16, 2004. It reports to the Board Managing Committee and through that committee to the Board of Directors. In the last ten or fifteen years, natural gas use has risen from a fairly small contributor to the generation of electricity to today, where electricity generation is the market for approximately 25% of the total annual US natural gas market. To address this substantial increase in interdependence between natural gas and electric generation, this committee is tasked with identifying, at a 30,000 ft level, actions that might result in NAESB standards development, making the interaction of both industries more efficient and reliable.”



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TO: Posting on NAESB Web Site
FROM: Rae McQuade, NAESB Executive Director
RE: Board Retail Awareness Committee – Named Board Members
DATE: November 17, 2004

The Board Retail Awareness Committee is chaired by Cade Burks. The named Board members that comprise the Board Retail Awareness Committee are as follows:

| Name | Organization | Quadrant | Phone | Email |
|-------------------|--|----------|--------------|--|
| Barbara Alexander | Public Advocate State of Maine | REQ | 207-395-4143 | barbalex@ctel.net |
| Diane Barney | New York State Department of Public Service | | 518-486-2943 | diane_barney@dps.state.ny.us |
| Jim Buccigross | 8760, Inc. | WGQ | 508-238-0345 | jhb@8760.com |
| Cade Burks | EC Power | REQ | 713-403-8720 | cade.burks@ec-power.com |
| Lauren Damen | Texas Public Utility Commission | | 512-936-7401 | lauren.damen@puc.state.tx.us |
| Michael Desselle | American Electric Power | WEQ | 214-777-1083 | mddesselle@aep.com |
| Richard Gruber | ERCOT | | 512-248-3986 | rgruber@ercot.com |
| Leonard Haynes | Southern Company | REQ | 404-506-0206 | ljhaynes@southernco.com |
| Richard House | Arkansas PSC | | 501-682-5825 | rhouse@psc.state.ar.us |
| Ruth Kiselewich | Baltimore Gas & Electric | REQ | 410-265-4003 | ruth.c.kiselewich@bge.com |
| Mark Maassel | NiSource | RGQ | 219-647-6400 | mtmaassel@nisource.com |
| Mike Novak | National Fuel Gas Distribution | WGQ | 716-857-7884 | novakm@natfuel.com |
| Thom Pearce | Public Utilities Commission of Ohio | | 614-466-1846 | thomas.pearce@puc.state.oh.us |
| Barry Perlmutter | Massachusetts Department of Telecommunications and Energy | | 617-305-3659 | barry.perlmutter@state.ma.us |
| Robert Rosenthal | Pennsylvania Public Utility Commission | | 717-783-5242 | rrosenthal@state.pa.us |
| Richard Rudden | RJ Rudden Associates, Inc. | RGQ | 631-348-4090 | rrudden@rjrudden.com |
| Leigh Spangler | Latitude Technologies, Inc. | RGQ | 972-747-1983 | lspangler@latitudetech.net |
| Joe Stepenovitch | Florida Power and Light | WGQ | 561-371-4722 | joestep@frcc.com |



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| | | | | |
|--------------------|-------------------------------------|-----|--------------|--|
| Jim Templeton | Comprehensive Energy Services | WGQ | 713-759-6999 | jtemplton@aol.com |
| Sam Watson | North Carolina Utilities Commission | | 919-715-7057 | swatson@ncuc.net |
| LouAnn Westerfield | Idaho Public Utility Commission | WEQ | 208-334-0323 | lwester@puc.state.id.us |
| Stacey Wood | Structure Group | REQ | 713-875-2826 | stacey.wood@scgo.com |



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RETAIL AWARENESS COMMITTEE

MISSION STATEMENT

The Retail Awareness Committee functions solely at the pleasure of the NAESB Board of Directors and reports to the NAESB Board of Directors through the NAESB Board Managing Committee. It is charged with increasing the awareness of the retail quadrants' model business practices with the state regulatory agencies, other related government agencies and the retail market industry participants. Increasing the awareness of the NAESB work products and plans is not considered advocacy but rather a form of education of NAESB efforts. The committee will also seek input from interested state regulatory agencies and related associations to ensure that NAESB efforts and annual plans reflect or are not inconsistent with such groups' directions. Members of the committee will present NAESB work products and plans to NARUC, state regulatory agencies and related industry groups to further the understanding of NAESB efforts and to garner feedback. The feedback will be provided by the committee to the Board in order that adjustments to the NAESB plans can be made as warranted.



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TO: Posting on NAESB Web Site
FROM: Rae McQuade, NAESB Executive Director
RE: Board Resource Committee – Named Board Members
DATE: November 3, 2004

The Board Resource Committee is chaired by Gloria Ogenyi. The named Board members that comprise the Board Resource Committee are as follows:

| Name | Organization | Quadrant | Phone | Email |
|---------------------|-------------------------------|----------|--------------|--|
| Scott Brown | Exelon Corporation | WEQ | 202-347-8096 | scott.brown@exeloncorp.com |
| Michael Desselle | American Electric Power | WEQ | 214-777-1083 | mddesselle@aep.com |
| Mike Grim | TXU Business Services | WEQ | 214-875-9595 | mike.grim@txu.com |
| Leonard Haynes | Southern Company | REQ | 404-506-0206 | ljhaynes@southernco.com |
| Bill Hebenstreit | El Paso Production Company | WGQ | 713-420-3474 | bill.hebenstreit@elpaso.com |
| Mark Maassel | NiSource | RGQ | 219-647-6400 | mtmaassel@nisource.com |
| Dave McMillan | Green Mountain Energy Company | REQ | 512-691-6322 | david.mcmillan@greenmountain.com |
| Gloria Ogenyi | Conectiv Energy | WEQ | 302-451-5365 | gloria.ogenyi@conectiv.com |
| Joseph Stepenovitch | Florida Power and Light | WGQ | 561-371-4722 | joestep@frc.com |
| Jim Templeton | Comprehensive Energy Services | WGQ | 713-759-6999 | jtemplton@aol.com |

MISSION STATEMENT

Resources Committee Goal: Add 30 net new members by Spring 2005.



North American Energy Standards Board

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TO: All Interested Parties
FROM: Veronica Thomason, NAESB Executive Assistant
RE: 2005 Monthly Update Conference Call Schedule
DATE: October 18, 2004

Dear Interested parties -

Below is the 2005 meeting schedule for the Monthly Update conference calls. All conference calls take place on a Wednesday and are scheduled for 2:00pm – 3:00pm Eastern.

January 19, 2005

No conference call in February

March 16, 2005

April 20, 2005

May 18, 2005

June 15, 2005

July 20, 2005

August 17, 2005

September 21, 2005

October 19, 2005

No conference call in November

December 21, 2005



NORTH AMERICAN ENERGY STANDARDS BOARD

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January 19, 2005

NAESB AT A GLANCE: MONTHLY UPDATE

FIRST WEQ FILING WITH FERC: Ms. Rae McQuade, NAESB Executive Director, reported on the first Wholesale Electric Quadrant (WEQ) standards filing with the Federal Energy Regulatory Commission (FERC). The standards include business practices that address OASIS, OASIS Standards & Communication Protocol and Data Dictionary. The filing also includes business practices that are complementary to North American Electric Reliability Council (NERC) reliability standards for coordinate interchange, area control error (ACE) equation special cases, manual time error correction, inadvertent interchange payback. Finally, it included standards of conduct to comply with FERC Orders 2004, 2004-A, and 2004-B. The filing did not include ratified standards for Transmission Load Relief (TLR), the Funds Transfer Agency Agreement (FTAA), or enhancements to the Coordinate Interchange Business Practices (CIBP). The filing was made in FERC docket number RM05-5-000.

ENERGY DAY UPDATE: Mr. Lou Oberski, Director of Electric Market Policy, Dominion Resource Services, Inc., and WEQ Executive Committee Chairman, provided an update on the Energy Day efforts. The Joint Subcommittee on Energy Day was formed from the Business Practices Subcommittees of the WEQ and the Wholesale Gas Quadrant (WGQ) in response to NAESB Request Number R04016 submitted by KeySpan and Duke Energy to develop a standardized energy day. The subcommittee will meet again on January 24th and 25th in Houston. The agenda at the January meeting will provide a forum for companies or groups of companies to present straw man proposals for energy day. Mr. Rick Miles, Director of Dispute Resolution Services at FERC will facilitate the meeting. The subcommittee has meetings scheduled every two weeks through April 2005. FERC Chairman Wood has requested a deadline of June 1st in a letter sent to NAESB Chairman Desselle last month. Also, at the Dec. 15 FERC open session, Commissioner Brownell requested that NAESB provide periodic updates to the Commission on its efforts.

UPDATE ON BOARD COMMITTEES: Mr. James Cargas, Deputy Director of NAESB, reported on the four board committees: Gas-Electric Interdependency (GEIC), Resources, Retail Awareness Committee, and a newly formed retail committee.

- The Gas-Electric Interdependency Committee (GEIC), chaired by Mr. Jim Templeton, Principal of Comprehensive Energy Services and member of the NAESB Managing Committee, continues to consider what types of activities related to gas and electric interdependency could result in NAESB standards development.
- The Resources Committee, chaired by Ms. Gloria Ogenyi, Director of Energy and Market Policy of Conectiv, has been revising the NAESB membership materials and the membership web page, and conducting outreach to prospective members. The Resources Committee set a goal of 30 net new members by March 2005, and has added eleven new members to date.
- The Retail Awareness Committee (RAC), chaired by Mr. Cade Burks, President of EC Power, will be sending letters to twenty-four state commissions offering to provide an educational presentation on existing model business practices and current drafting efforts. RAC hopes to leave these meetings with input on the 2005 Annual Plans and guidance on areas for further development.
- Finally, the NAESB Board created a fourth committee at its Dec. 9 meeting to review whether the two retail quadrants should be merged or be restructured to bring membership levels above NAESB minimum levels. The Committee will report to the Board of Directors in the fourth quarter.

ORDER 2004 REVISIONS TO WGQ STANDARDS: Mr. Jim Buccigross, Vice President, 8760, Inc., and NAESB Executive Committee Chairman, reported on the Dec. 21, 2004 FERC Notice of Proposed Rulemaking in Docket No. RM96-1-026 (NOPR) that proposes adoption of NAESB WGQ Version 1.7 Standards, standards implementing FERC Order Nos. 2004-A and 2004-B (Standards of Conduct), and gas quality reporting standards. The Commission noted in paragraph 10 of the NOPR that "Revised Standard 4.3.23 does not specify a location for posting voluntary consent to information disclosure by non-affiliated customers..." and "Posting this information as a separate category represents a better practice, since it will make it easier for the Commission as well as other parties to find and access this information." Mr. Buccigross said the process to modify Standard 4.3.23 to comply with the NOPR should be complete prior to the issuance of a final order by FERC.

UPDATE ON THE GAS QUALITY STANDARDS & NATURAL GAS COUNCIL: Mr. James Cargas, Deputy Director of NAESB, reported that the Natural Gas Council Plus (NGC+) met with FERC Chairman Wood on Dec. 17, 2004 and provided him two white papers: "Liquid Hydrocarbon Dropout in Natural Gas Infrastructure," and "Natural Gas



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Interchangeability and Non-Combustion End Use.” The working groups that drafted these white papers included thirty-one NAESB members. Ms. Dolores Chezar, Director, Regulatory Policy for KeySpan Energy stated the interchangeability paper is still considered to be in draft form and efforts to revise it will continue. Mr. Cargas also reported that on Oct. 20, 2004, NAESB’s membership ratified the gas quality reporting standards for tracking physical and chemical properties of natural gas defined in pipeline tariffs. These were submitted to FERC and are part of the Dec. 21, 2004 NOPR (see above).

UPDATE ON RETAIL TRADING PARTNER AGREEMENT AMENDMENTS: Ms. Rae McQuade, Executive Director for NAESB, stated the retail quadrants have been developing a Trading Partner Agreement (TPA) based on the WGQ version. The TPA provides an agreement between trading partners to determine how each will communicate information across computer systems through XML or EDI format. Ms. Dale Davis of Williams Gas Pipeline added the retail subcommittee made some minor changes to the WGQ version to make it generally applicable and added a user’s guide as a companion document for the retail version of the agreement. The draft TPA is posted for industry comment. The comment period ends Feb. 11, 2005.

RETAIL SUBCOMMITTEE REORGANIZATION: Mr. Phil Precht, Director of Gas Choice Programs at Baltimore Gas and Electric, said that after more than a year of experience with the retail subcommittee structure, the retail executive committees are improving the process of developing standards by reorganizing the subcommittee structure. The reorganization is modeled after the WGQ structure. The Customer Processes Subcommittee and Supplier User Interface Subcommittee will combine to be the Business Practices Subcommittee, and a new Information Requirements Subcommittee will be created. The Technical Electronic Implementation Subcommittee will remain unchanged.

NEXT CONFERENCE CALL: The next conference call is scheduled for **Wednesday, March 16, 2005**, at 2:00 pm Eastern. (There will not be a monthly update call in February due to the NARUC Winter Meeting.) 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 contact the NAESB Office (713-356-0060, naesb@naesb.org).

NAESB Monthly Update Conference Call, Participant List January 19, 2005 -- 2:00 PM Eastern

| Name: | Organization: |
|-----------------------|--|
| 1 Diane Barney | New York State Dept. of Public Service |
| 2 William Bokram | Michigan Public Service Commission |
| 3 Marla Larson | Montana Public Service Commission |
| 4 Marcella Matzeit | Canadian National Energy Board |
| 5 Terry McGilvra | Iowa Utilities Board |
| 6 Thomas Pearce | Ohio Public Utilities Commission |
| 7 Karl Wunderlich | United States Bureau of Reclamation |
| 8 Mike Anthony | Progress Energy |
| 9 Dawn Arnold | Tennessee Valley Authority |
| 10 Osman Bholat | Savannah Electric |
| 11 Victor Bissonette | Hydro Quebec |
| 12 Bill Boswell | NAESB |
| 13 Jim Buccigross | Group 8760 |
| 14 Kathryn Burch | Duke Energy |
| 15 Christopher Burden | Williams Gas Pipeline |



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| Name: | Organization: |
|------------------------|--|
| 16 Yvette Camp | Southern Company |
| 17 James Cargas | NAESB |
| 18 Jennifer Chen | Sungard Energy Systems |
| 19 Dolores Chezar | KeySpan |
| 20 Dale David | Williams Gas Pipeline |
| 21 Dorman Davis | Mississippi Power |
| 22 Michael Desselle | AEP |
| 23 Andrew Dotterweich | Consumers Energy |
| 24 Mary Edwards | Dominion Virginia Power |
| 25 Edison Elizeh | PacifiCorp |
| 26 Lynnda Ell | Entergy |
| 27 James Evans | Consultant |
| 28 Michael Flannery | Maryland Office of Peoples Counsel |
| 29 Ollie Frazier | Duke Energy |
| 30 Dona Gassow | Florida Power & Light |
| 31 Michael Gildea | Constellation Generation |
| 32 Terri Grabiak | Allegheny Energy |
| 33 Barry Green | Ontario Power Generation |
| 34 Bill Griffith | El Paso Western Pipelines |
| 35 Bill Hebenstreit | El Paso Production Co. |
| 36 Jim Hicks | Pacificorp |
| 37 Linda Horn | We Energies |
| 38 Tom Hyzinski | PPL Energy |
| 39 Alan Johnson | Mirant |
| 40 Wanda Jones | MPSC |
| 41 Barb Kedrowski | We Energies |
| 42 Arlynn Kelleher | Entergy Services |
| 43 Laura Kennedy | NAESB |
| 44 Iris King | Dominion Transmission |
| 45 Melissa Lauderdale | Edison Electric Institute |
| 46 Cecilia Liang-Nicol | Allegheny Power |
| 47 Bill Lohrman | NERC |
| 48 John Lucas | Southern Company |
| 49 Carol McCrary | North Carolina Municipal Power Agency #1 |
| 50 Ernestine McNair | Georgia Power Co. |
| 51 Rae McQuade | NAESB |
| 52 Carl Monroe | Southwest Power Pool |



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| Name: | | Organization: | |
|-------|-------------------|--------------------------------------|--|
| 53 | Leslie Nishida | Wisconsin Public Service Corporation | |
| 54 | Lou Oberski | Dominion | |
| 55 | Marcie Otondo | Arizona Public Service Co. | |
| 56 | Marjorie Perlman | Energy East | |
| 57 | Charlotte Pinnick | JM Huber Corp | |
| 58 | Phil Precht | Baltimore Gas & Electric | |
| 59 | Greg Ramon | Tampa Electric Company | |
| 60 | Judy Ray | Alabama Power Company | |
| 61 | Roger Schwecke | Southern CA Gas Comp | |
| 62 | Julie Simon | Constellation Energy | |
| 63 | Eli Spriggins | Cleco Power | |
| 64 | Joe Stepenovitch | FRCC | |
| 65 | Mark Tallman | Pacifcorp | |
| 66 | Sarah Tomalty | Florida Power & Light | |
| 67 | Kim Van Pelt | Panhandle Eastern Pipeline | |
| 68 | Kathy York | Tennessee Valley Authority | |

NAESB Leadership Roster As of January 27, 2005

NAESB Board of Directors & Board Committees

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|-------------------------------|-----------|--|---------------------------------|--------------|--------------|
| Wholesale Gas Quadrant | | | | | |
| END USER SEGMENT | | | | | |
| V A C A N C Y | | | | | |
| Joe Stepenovitch | | Florida Reliability Coordinating Council | joestep@frcc.org | 561-371-4722 | |
| John Procaro | | Cinergy | jprocaro@cinergy.com | 513-287-3657 | 513-287-1592 |
| V A C A N C Y | | | | | |
| Jim Templeton | | Comprehensive Energy | jrtemplton@aol.com | 713-759-6999 | 713-781-4966 |
| LDC SEGMENT | | | | | |
| Clifton Olson | | Energy East Corporation | cbolson@energyeast.com | 585-724-8954 | 585-771-2825 |
| Adrian Chapman | | Washington Gas | achapman@washgas.com | 703-750-7677 | 703-750-1699 |
| Reed Horting | | PECO Energy Company | reed.horting@exeloncorp.com | 215-841-6410 | 215-841-6910 |
| Mike Novak | | National Fuel Gas Distribution | novakm@natfuel.com | 716-857-7884 | 716-857-7254 |
| Lee Stewart | | Southern California Gas Company | lstewart@semprautilities.com | 213-244-5000 | 213-244-8292 |
| PIPELINE SEGMENT | | | | | |
| Terry McGill | | Enbridge Energy Company, Inc. | terry.mcgill@enbridge.com | 713-821-2003 | 713-653-6711 |
| John Somerhalder | | El Paso Natural Gas | somerhalderj@epenergy.com | 832-676-7298 | 832-676-1706 |
| Bill Grygar | | Panhandle Eastern Pipe Line | wwgrygar@panhandleenergy.com | 713-989-7660 | 713-989-1176 |
| Ron Mucci | | Williams Gas Pipeline | Ron.M.Mucci@williams.com | 918-573-4981 | 918-573-8194 |
| Richard Kruse | | Duke Energy Gas Transmission | rkruse@duke-energy.com | 713-627-5368 | 713-627-4027 |
| PRODUCER SEGMENT | | | | | |
| Jay Ellzey | | ChevronTexaco Natural Gas | ellz@chevrontexaco.com | 713-752-6688 | |
| William T. Benham | | BP Energy Company | benhamwt@bp.com | 281-366-4712 | 281-366-5090 |
| Keith Sappenfield | | EnCana Energy Marketing (USA), Inc. | keith.sappenfield@EnCana.com | 832-204-1247 | 713-952-3617 |
| Bill Hebenstreit | | El Paso Production Company | bill.hebenstreit@elpaso.com | 713-420-3474 | 713-420-7577 |
| Pete Frost | | ConocoPhillips Gas and Power | pete.w.frost@conocophillips.com | 202-833-0917 | 202-785-0639 |
| SERVICES SEGMENT | | | | | |
| VACANCY | | | | | |

NAESB Leadership Roster As of January 27, 2005

NAESB Board of Directors & Board Committees

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|------------------------------------|-----------|--|-----------------------------|--------------|--------------|
| VACANCY | | | | | |
| Jim Buccigross | | 8760, Inc. | jhb@8760.com | 508-238-0345 | 508-238-0858 |
| Lyn Maddox | | Lyn Maddox Consulting | linmaddox@sbcglobal.net | 281-465-8539 | 832-553-7500 |
| Gregory White | | Promet Energy Partners, LLC | gwhite@prometenergy.com | 248-351-2690 | 248-351-2691 |
| Retail Electric Quadrant | | | | | |
| DISTRIBUTOR SEGMENT | | | | | |
| David Koogler | | Dominion Virginia Power | David_Koogler@dom.com | 804-771-3429 | 804-771-3473 |
| Bill Bourbonnais | | WPS Resources Corporation | wbourbo@wpsr.com | 920-433-1573 | 920-433-1176 |
| Johnny Magwood | | Baltimore Gas & Electric Company | johnny.magwood@bge.com | 410-234-5908 | 410-234-5323 |
| Leonard Haynes | | Southern Company | ljhaynes@southernco.com | 404-506-0206 | 404-506-0207 |
| END USER SEGMENT | | | | | |
| Sonny Popowsky | | Pennsylvania Office of Consumer Advocate | spopowsky@paoca.org | 717-783-5048 | 717-783-7152 |
| Bryan Anderson | | Foley & Lardner | banderson@foleylaw.com | 312-832-4905 | 312-645-0141 |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| SERVICES SEGMENT | | | | | |
| V A C A N C Y | | | | | |
| Stacey Wood | | Structure Group | stacey.wood@scgo.com | 713-875-2826 | 928-396-2794 |
| J Cade Burks | | EC Power | cade.burks@EC-Power.com | 713-403-8720 | 713-626-8701 |
| V A C A N C Y | | | | | |
| SUPPLIER SEGMENT | | | | | |
| Brian Landrum | | Reliant Energy Retail Services | blandrum@reliant.com | 713-497-7567 | 713-497-0115 |
| David Booty | | Direct Energy Business Services | david.booty@na.centrica.com | 972-373-3824 | 214-496-9802 |
| VACANCY | | | | | |
| Richard Zelenko | | Dominion Retail Inc. | richard_zelenko@dom.com | 804-819-2938 | 804-819-2922 |
| Wholesale Electric Quadrant | | | | | |
| END USER SEGMENT | | | | | |

**NAESB Leadership Roster
As of January 27, 2005**

NAESB Board of Directors & Board Committees

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|---------------------------------|------------------|---|-------------------------------------|--------------|--------------|
| John A. Anderson | lind | Electricity Consumers Resource Council | janderson@elcon.org | 202-682-1390 | 202-289-6370 |
| Jeanne Zaiontz | lind | BP Energy Co. | zaiontz@bp.com | 281-366-4507 | 281-366-5090 |
| Carol Guthrie | sgen | ChevronTexaco Energy Research & Technology | carolguthrie@chevrontexaco.com | 925-842-5799 | 925-842-5550 |
| V A C A N T | comres | | | | |
| Ron Jackups | endus | Cinergy | ron.jackups@cinergy.com | 513-287-3455 | 513-287-3812 |
| John Reese | reg | New York State Department of Public Service | John_reese@dps.state.ny.us | 518-474-2530 | 518-486-1947 |
| DISTRIBUTION/LSE SEGMENT | | | | | |
| Frank Johnson | iou | Consumers Energy | fjohnson@cmsenergy.com | 517-788-7194 | 517-788-2186 |
| Mark Crosswhite | iou | Southern Company | macrossw@southernco.com | 205-257-0472 | 205-257-2027 |
| Barry R. Lawson | muni | National Rural Electric Cooperative Assoc. | barry.lawson@nreca.coop | 703-907-5781 | 703-907-5517 |
| Arthur G. Fusco | muni | Central Electric Power Cooperative, Inc. | afusco@cepci.org | 803-779-4975 | 803-252-8050 |
| Mark B. Bonsall | other | Salt River Project | mbbonsal@srpnet.com | 602-236-5682 | 602-236-5681 |
| Carrie Cullen Hitt | compret | Constellation NewEnergy | carrie.cullenhitt@constellation.com | 617-772-7535 | 617-772-7550 |
| GENERATION SEGMENT | | | | | |
| V A C A N T | fed | | | | |
| Charles W. Severance | iou | Wisconsin Public Service Corporation | csevera@wpsr.com | 920-433-5716 | 920-433-4986 |
| John J. Dellas | iou | Consumers Energy | jjdellas@cmsenergy.com | 517-788-2251 | 517-788-0748 |
| Dennis Sobieski | merc | PSEG Power | dennis.sobieski@pseg.com | 973-430-6698 | 973-242-8445 |
| Thomas Ingwers | muni | Sacramento Municipal Utility District | tingwer@smud.org | 916-732-5704 | 916-732-6002 |
| Gloria Ogenyi | merc | Conectiv Energy | gloria.ogenyi@conectiv.com | 302-451-5365 | 302-451-5264 |
| TRANSMISSION SEGMENT | | | | | |
| W. Terry Boston | fed | Tennessee Valley Authority | wtboston@tva.gov | 423-751-6000 | 423-751-8352 |
| Peter Flynn | itc | National Grid USA | peter.flynn@us.ngrid.com | 508-389-3391 | 508-389-4480 |
| Paul McCoy | itc | Trans-Elect, Inc. | pdmccoy@trans-elect.com | 708-246-9456 | 708-246-9346 |
| Carroll Waggoner | muni | Sunflower Electric Power Corporation | waggoner@sunflower.net | 785-623-3313 | 785-623-3329 |
| Richard Smead | iou | Navigant Consulting, Inc. | rsmead@navigantconsulting.com | 713-646-5029 | 713-646-5001 |
| Michael Desselle | iou | American Electric Power | mddesselle@aep.com | 214-777-1826 | 214-777-2929 |

NAESB Leadership Roster As of January 27, 2005

NAESB Board of Directors & Board Committees

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|----------------------------------|-----------|--|----------------------------|--------------|--------------|
| MARKETER/BROKER SEGMENT | | | | | |
| R. Scott Brown | iou | Exelon Corporation | scott.brown@exeloncorp.com | 202-347-8096 | 202-347-7501 |
| Roy True | muni | ACES Power Marketing | royt@acespower.com | 317-344-7047 | 317-344-7001 |
| Allen L. Burns | fed | Bonneville Power Administration | alburn@bpa.gov | 503-230-5717 | 503-230-3270 |
| Michael Grim | niou | TXU Business Services | mike.grim@txu.com | 214-875-9595 | 214-812-3455 |
| Joseph Hartsoe | iou | American Electric Power Service Corp. | jrhartsoe@aep.com | 202-383-3430 | 202-383-3459 |
| Jim Mayhew | niou | Director, RTO Coordination and Commercial Liaison, Mirant Corporation | jim.mayhew@mirant.com | 678-579-3421 | 678-579-7726 |
| Retail Gas Quadrant | | | | | |
| DISTRIBUTORS SEGMENT | | | | | |
| Craig White | | Philadelphia Gas Works | craig.white@pgworks.com | 215-684-6746 | 215-684-6101 |
| Glen R. Schwalbach | | Wisconsin Public Service Corporation | gschwal@wpsr.com | 920-433-1047 | 920-433-1367 |
| Mark T. Maassel | | NiSource | mtmaassel@nisource.com | 219-647-6400 | 219-647-6430 |
| Paul J. Szykman | | UGI Utilities, Inc. | pszykman@ugi.com | 610-796-3470 | 610-796-3559 |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| END USERS SEGMENT | | | | | |
| V A C A N C Y | | | | | |
| Tina Burnett | | The Boeing Company | tina.m.burnett@boeing.com | 206-290-6244 | 206-766-5245 |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| SERVICE PROVIDERS SEGMENT | | | | | |
| Leigh Spangler | | Latitude Technologies, Inc. | lspangler@latitudetech.net | 972-747-1983 | 972-747-8067 |
| Dave Pfeifer | | SunGard EnForm Consulting | David.Pfeifer@sungard.com | 713-350-1020 | 713-438-1000 |
| Dave Darnell | | Systrends, Inc. | dave.darnell@systrends.com | 480-756-6777 | 480-756-9755 |
| Greg Lander | | Commerce Energy Group | glander@skippingstone.com | 978-535-7500 | 978-535-7744 |

NAESB Leadership Roster As of January 27, 2005

NAESB Board of Directors & Board Committees

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|--------------------------------|-----------|--|---------------------------|--------------|--------------|
| Richard J. Rudden | | R.J. Rudden Associates | rrudden@rjrudden.com | 631-348-4090 | 631-348-4097 |
| V A C A N C Y | | | | | |
| SUPPLIER SEGMENT | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| Managing Committee | | | | | |
| Leonard Haynes (REQ) | d | Southern Company Services | ljhaynes@southernco.com | 404-506-0206 | 404-506-0207 |
| Mark Maassel (RGQ) | d | NiSource | mtmaassel@nisource.com | 219-647-6400 | 219-647-6430 |
| Michael Desselle (WEQ) | t | American Electric Power | mddesselle@aep.com | 214-777-1826 | 214-777-2929 |
| Jim Templeton (WGQ) | e | Comprehensive Energy | jrtemplton@aol.com | 713-759-6999 | 713-781-4966 |
| Joe Stepenovitch (WGQ) | e | Florida Reliability Coordinating Council | joestep@frcc.org | 561-371-4722 | |
| Parliamentary Committee | | | | | |
| Michael Desselle (WEQ) | t | American Electric Power | mddesselle@aep.com | 214-777-1826 | 214-777-2929 |
| Jim R. Templeton (WGQ) | e | Comprehensive Energy Services | jrtemplton@aol.com | 713-759-6999 | 713-781-4966 |
| Adrian P. Chapman (WGQ) | l | Washington Gas | achapman@washgas.com | 703-750-7677 | 703-750-1699 |
| Lyn Maddox (WGQ) | s | Lyn Maddox Consulting | linmaddox@sbcglobal.net | 281-465-8539 | 832-553-7500 |
| Terry McGill (WGQ) | pl | Enbridge Energy Company, Inc. | terry.mcgill@enbridge.com | 713-821-2003 | 713-653-6711 |
| Leonard J. Haynes (REQ) | d | Southern Company | ljhaynes@southernco.com | 404-506-0206 | 404-506-0207 |
| J. Cade Burks (REQ) | s | EC Power | Cade.burks@EC-Power.com | 713-403-8720 | 713-626-8701 |
| V A C A N T (REQ) | s | | | | |
| David F. Pfeifer (RGQ) | s | SunGard EnForm Consulting | David.Pfeifer@sungard.com | 713-350-1020 | 713-438-1000 |
| Richard J. Rudden (RGQ) | s | R. J. Rudden Associates | rrudden@rjrudden.com | 631-348-4090 | 631-348-4097 |
| Glen R. Schwalbach (RGQ) | d | Wisconsin Public Service Corporation | gschwal@wpsr.com | 920-433-1047 | 920-433-1367 |

**NAESB Leadership Roster
As of January 27, 2005**

NAESB Board of Directors & Board Committees

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|-------------------------|----------------------|--|----------------------------|--------------|--------------|
| R. Scott Brown (WEQ) | m | Exelon Generaton Power Team | scott.brown@exeloncorp.com | 202-347-8096 | 202-347-7501 |
| Joseph R. Hartsoe (WEQ) | m | American Electric Power Service Corp. | jrhartsoe@aep.com | 202-383-3430 | 202-383-3459 |
| Art Fusco (WEQ) | d | Central Electric Power Cooperative, Inc. | afusco@cepci.org | 803-779-4975 | 803-252-8050 |

NAESB Leadership Roster As of January 27, 2005

NAESB Executive Committee & Alternates

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|-------------------------------|-----------|--|--------------------------------|--------------|--------------|
| Wholesale Gas Quadrant | | | | | |
| End User Segment | | | | | |
| Diane McVicker | | Salt River Project | dbmcvick@srpnet.com | 602-236-4315 | 602-236-4322 |
| Valerie Crockett | | Tennessee Valley Authority | vjcrockett@tva.gov | 423-751-6096 | 423-751-8702 |
| Kelly Daly | | Stinson Morrison Hecker, rep. Arizona Public Service Co. | kdaly@stinsonmoheck.com | 202-785-9100 | 202-785-9163 |
| Dona Gussow | | Florida Power & Light Company | dgussow@fpl.com | 561-691-7886 | 561-625-7567 |
| Tina Burnett | | The Boeing Company | tina.m.burnett@boeing.com | 206-290-6244 | 206-766-5245 |
| Distribution Segment | | | | | |
| Rodger Schwecke | | Sempra Energy - Southern California Gas Company | rschwecke@semprautilities.com | 213-244-5573 | 213-244-3897 |
| Dolores Chezar | | KeySpan Energy | dchezar@keyspanenergy.com | 718-403-2987 | 718-246-2927 |
| Chris Maturo | | NiSource, Inc. | mcmaturo@nisource.com | 219-647-4205 | 801-383-8262 |
| Mike Novak | | National Fuel Gas Distribution | novakm@natfuel.com | 716-857-7884 | 716-857-7254 |
| Craig Colombo | | Dominion Resources | Craig_c._colombo@dom.com | 804-787-6167 | 804-787-6478 |
| Pipeline Segment | | | | | |
| Mark Gracey | | El Paso Eastern Pipeline | mark.gracey@elpaso.com | 832-676-3803 | 832-676-1899 |
| Bill Griffith | | El Paso Natural Gas | william.griffith@elpaso.com | 719-520-4334 | 719-520-4318 |
| Dale Davis | | Williams Gas Pipeline | dale.m.davis@williams.com | 713-215-2396 | 713-215-3946 |
| Randy Young | | Gulf South Pipeline Company, LP | randy.young@gulfsouthpl.com | 713-544-4715 | 713-544-6257 |
| Kim Van Pelt | | Panhandle Eastern Pipe Line | kvanpelt@panhandleenergy.com | 713-989-7354 | 713-989-1121 |
| Producer Segment | | | | | |
| Jim Busch | | BP Energy Company | buschjg@bp.com | 281-366-3531 | |
| Paul Keeler | | Burlington Resources Trading, Inc. | pkeeler@br-inc.com | 713-624-9268 | 713-624-5363 |
| Randy Mills | | ChevronTexaco Natural Gas | randymills@chevrontexaco.com | 713-752-7815 | 866-249-3049 |
| Richard Smith | | ExxonMobil Gas Marketing Company | richard.d.smith@exxonmobil.com | 713-656-9790 | 281-656-3034 |
| Mike Shepard | | Mewbourne Oil Company | mshepard@mewbourne.com | 903-561-2900 | 903-561-1515 |
| Services Segment | | | | | |
| Suzanne Calcagno | | UBS Energy LLC | suzanne.calcagno@ubs.com | 203-719-4599 | 203-719-7513 |

NAESB Leadership Roster As of January 27, 2005

NAESB Executive Committee & Alternates

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|-------------------|-----------|---------------------------------------|------------------------------|--------------|--------------|
| Robert McKay | | Constellation Commodities Group, Inc. | | | |
| Leigh Spangler | | Latitude Technologies, Inc. | lspangler@latitudetech.net | 972-747-1983 | 972-747-8067 |
| Jim Buccigross | | 8760 Inc. | jhb@8760.com | 508-238-0345 | 508-238-0858 |
| Keith Sappenfield | | EnCana Energy Marketing (USA) Inc. | keith.sappenfield@EnCana.com | 832-204-1247 | 713-952-3617 |

Retail Electric Quadrant

| Distribution Segment | | | | | |
|-----------------------------|--|---------------------------------------|---------------------------|--------------|--------------|
| Ruth Kiselewich | | Baltimore Gas & Electric Company | ruth.c.kiselewich@bge.com | 410-265-4003 | 410-265-4899 |
| Terry Moran | | Public Service Electric & Gas Company | terrence.moran@pseg.com | 973-430-7105 | 973-624-4107 |
| Judy Ray | | Alabama Power Company | jwray@southernco.com | 205-257-4460 | 205-257-1831 |
| Mary Edwards | | Dominion Virginia Power | Mary_edwards@dom.com | 804-771-6407 | 804-771-4045 |

| End User Segment | | | | | |
|-------------------------|--|--------------------------------|-------------------|--------------|--------------|
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| Barbara Alexander | | Public Advocate State of Maine | barbalex@ctel.net | 207-395-4143 | 207-395-4143 |
| V A C A N C Y | | | | | |

| Services Segment | | | | | |
|-------------------------|--|---------------------------------------|-------------------------|--------------|--------------|
| Jim Minneman | | PPL Solutions | jminneman@pplweb.com | 610-774-5774 | 610-774-7229 |
| V A C A N C Y | | | | | |
| Rob Connell | | Electric Reliability Council of Texas | rconnell@ercot.com | 512-248-3963 | 512-248-3992 |
| Mark S. Jarrett | | Southern Company Services | msjarret@southernco.com | 404-506-7274 | 404-506-4074 |

| Supplier Segment | | | | | |
|-------------------------|--|---------------------|---------------------------|--------------|--------------|
| Bill Barkas | | Dominion Retail | William_L._Barkas@dom.com | 412-690-1033 | 412-690-1550 |
| Ed Overtree | | Calpine Corporation | eovertree@calpine.com | 713-830-8934 | 713-830-8751 |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |

Wholesale Electric Quadrant

| End User Segment | | | | | |
|-------------------------|--|--|--|--|--|
|-------------------------|--|--|--|--|--|

**NAESB Leadership Roster
As of January 27, 2005**

NAESB Executive Committee & Alternates

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|---------------------------------|------------------|--|----------------------------------|--------------------------|--------------|
| John Hughes | lind | Electricity Consumers Resource Council | jhughes@elcon.org | 202-682-1390 | 202-289-6370 |
| V A C A N C Y | lind | | | | |
| V A C A N C Y | sgen | | | | |
| Randy Corbin | comres | Ohio Consumers Counsel | corbin@occ.state.oh.us | 614-466-9469 | 614-466-9475 |
| Paul Jett | endus | Cinergy Services Inc. | paul.jett@cinergy.com | 513-287-1770 | 513-287-1344 |
| Lou Ann Westerfield | reg | Idaho Public Utility Commission | lwester@puc.state.id.us | 208-334-0323 | 208-334-3762 |
| Distribution/LSE Segment | | | | | |
| Ollie Frazier | iou | Duke Energy Corp. | ofrazier@duke-energy.com | 704-382-6964 | 704-382-2677 |
| Jack Leonard | iou | Exelon Company-PECO Energy Company | jack.leonard@peco-energy.com | 215-841-4879 | 215-841-4234 |
| Robert Williams | muni | Florida Municipal Power Agency | Bob.williams@fmpa.com | 407-355-7767 | 407-355-5794 |
| Daniel E. Cooper | muni | Michigan Public Power Agency | dcooper@mpower.org | 517-323-8919 ext. 114 | 517-323-8373 |
| Syd Berwager | other | Bonneville Power Administration | sdberwager@bpa.gov | 503-230-5958 | 503-230-7463 |
| Jansen Pollock | compret | Constellation NewEnergy | jansen.pollock@constellation.com | 312-704-1330 | 312-704-8530 |
| Generation Segment | | | | | |
| Kathy York | fed | Tennessee Valley Authority | keyork@tva.gov | 423-751-3398 | 423-751-7462 |
| Louis Oberski | iou | Dominion Resources | lou_oberski@dom.com | 804-787-5714 | 804-787-6473 |
| Tony Reed | iou | Southern Company Generation and Energy Marketing | tareed@southernco.com | 205-257-7766 | 205-257-6824 |
| Barry Green | merc | Ontario Power Generation | barry.green@opg.com | 416-592-7883 | 416-592-8519 |
| Woody Saylor | merc | Calpine | wsaylor@calpine.com | 832-476-4471 | 281-291-7089 |
| William J. Gallagher | muni | Vermont Public Power Supply Authority | bgallagher@vppsa.com | 802-244-7678 | 802-244-6889 |
| Marketer/Broker Segment | | | | | |
| Jim Ingraham | fed | Tennessee Valley Authority | jaingraham@tva.gov | 423-751-2500 | 423-751-7462 |
| Joel Dison | iou | Southern Company | jjdison@southernco.com | 205-257-6481 | 205-257-6824 |
| Clay A. Norris | muni | North Carolina Municipal Power Agency #1 | cnorris@electricities.org | 919-760-6352 | 919-760-6050 |
| Suzanne Calcagno | niou | UBS Energy LLC | suzanne.calcagno@ubs.com | 203-719-4599 | 203-719-7513 |
| Alan Johnson | niou | Mirant | alan.r.johnson@mirant.com | 678-579-3108 | 678-579-7726 |

NAESB Leadership Roster As of January 27, 2005

NAESB Executive Committee & Alternates

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|-----------------------------|-----------|----------------------------------|-----------------------------------|--------------|--------------|
| Mark Tallman | iou | PacifiCorp | mark.tallman@pacificcorp.com | 503-813-5376 | 503-813-6260 |
| Transmission Segment | | | | | |
| Steven C. Cobb | fed | Salt River Project | sccobb@SRPnet.com | 602-236-3965 | 602-236-3808 |
| Mark Maher | iou | PacifiCorp | Mark.maher@pacificcorp.com | 503-819-5357 | 503-813-7190 |
| John E. Lucas | iou | Southern Company | jelucas@southernco.com | 205-257-7200 | 205-257-6663 |
| Mary Ellen Paravalos | itc | US National Grid | mary.ellen.paravalos@us.ngrid.com | 508-389-3233 | 508-389-3129 |
| Dan Klempel | muni | Basin Electric Power Cooperative | dklempel@bepc.com | 701-355-5644 | 701-224-5332 |
| Julie Voeck | itc | American Transmission Company | jvoeck@atcllc.com | 262-506-6846 | 262-506-6704 |

Retail Gas Quadrant

| DISTRIBUTORS SEGMENT | | | | | |
|----------------------------------|--|--------------------------------------|--------------------------------|--------------|--------------|
| Nancy Cianflone | | KeySpan Energy Delivery | ncianflone@keyspanenergy.com | 718-403-2505 | 718-596-7802 |
| V A C A N C Y | | | | | |
| Leslie H. Nishida | | Wisconsin Public Service Corporation | lnishid@wpsr.com | 920-433-1495 | 920-433-5734 |
| Michael Novak | | National Fuel Gas Distribution | novakm@natfuel.com | 716-857-7884 | 716-857-7254 |
| V A C A N C Y | | | | | |
| Phil Precht | | Baltimore Gas and Electric Company | | | |
| END USERS SEGMENT | | | | | |
| V A C A N C Y | | | | | |
| Tina Burnett | | Northwest Industrial Gas Users | tina.m.burnett@boeing.com | 206-290-6244 | 206-766-5245 |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| SERVICE PROVIDERS SEGMENT | | | | | |
| Donald L. Sytsma | | R. J. Rudden Associates | donsytsma@earthlink.net | 713-779-2507 | 713-630-0018 |
| George M. Behr | | Energy Services Group | gbehrr@EnergyServicesGroup.net | 717-975-1927 | 717-580-5482 |
| V A C A N C Y | | | | | |

**NAESB Leadership Roster
As of January 27, 2005**

NAESB Executive Committee & Alternates

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|-------------------------|------------------|---------------------------|----------------------------|--------------|--------------|
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |
| SUPPLIER SEGMENT | | | | | |
| Suzanne Calcagno | | UBS Energy LLC | suzanne.calcagno@ubs.com | 203-719-4599 | 203-719-7513 |
| Barbara A. Fatina | | Exelon Energy Corporation | barb.fatina@exeloncorp.com | 708-236-7900 | 708-236-7902 |
| Marcy McCain | | Duke Energy – Algonquin | mlmccain@duke-energy.com | 713-627-4738 | 713-627-5947 |
| Richard Zollars | | Dominion Retail | Richard_A_Zollars@dom.com | 412-473-4144 | 412-473-4175 |
| V A C A N C Y | | | | | |
| V A C A N C Y | | | | | |

Wholesale Gas Quadrant Alternates

| End User Segment | | | | | |
|-----------------------------|--|---|-------------------------------|--------------|--------------|
| Gary Duede | | Arizona Public Service Company | GDUEDE@apsc.com | 602-250-4350 | 602-250-3628 |
| Curt Brechtel | | Arizona Public Service Company | cbrecchte@aps.com | 602-250-3579 | 602-250-3628 |
| Joel Greene | | Jennings, Strouss & Salmon, P.L.C., rep. Salt River Project | jgreene@jsslaw.com | 202-371-9889 | 202-371-9025 |
| Mike Robison | | Florida Power & Light Company | michael_robison@fpl.com | 561-691-7887 | 561-625-7567 |
| Craig Chancellor | | Calpine Corporation | craigo@calpine.com | 713-335-4071 | 713-651-3059 |
| Distribution Segment | | | | | |
| Pete Connor | | NiSource | pconnor@nisource.com | 614-460-5974 | 614-460-6442 |
| Rick Ishikawa | | Sempra Energy - Southern California Gas Company | rishikawa@semprautilities.com | 213-244-2844 | 213-244-8449 |
| Marjorie Perlman | | Energy East Management | marjorie_perlman@rge.com | 585-771-4690 | 585-724-8818 |
| Steve Zavodnick | | Baltimore Gas & Electric | steven.m.zavodnick@bge.com | 410-291-4908 | 410-291-5104 |
| Amy Hamilton | | PECO Energy Company | amy.hamilton@exeloncorp.com | 215-841-6783 | 215-841-6906 |
| Pipeline Segment | | | | | |
| Bill Grygar | | Panhandle Eastern Pipe Line | wwgrygar@panhandleenergy.com | 713-989-7660 | 713-989-1176 |
| Scott Hansen | | Questar Pipeline Co. | scott.hansen@questar.com | 801-324-2543 | 801-324-2578 |
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NAESB Leadership Roster As of January 27, 2005

NAESB Executive Committee & Alternates

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|---|------------|--|----------------------------------|--------------|--------------|
| Paul Love | | Natural Gas Pipe Line Company of America | Paul_Love@kindermorgan.com | 713-369-9320 | 713-369-9325 |
| Producer Segment | | | | | |
| Carla Johnson | | Conoco | carla.j.johnson@usa.conoco.com | 281-293-1788 | 281-293-6164 |
| David Ogden | | Dominion Exploration & Production, Inc. | David_W_Ogden@dom.com | 281-873-1528 | 281-873-1547 |
| Benjamin C. Harris | | ExxonMobil Gas & Power Marketing Company | benjamin.c.harris@exxonmobil.com | 713-656-1633 | 713-656-4144 |
| Services Segment | | | | | |
| Jim Macredie | | TXU Energy Trading Company | jmacredie@txuenergy.com | 214-875-9266 | 214-875-9074 |
| Richard (Dick) Couron | | Trinity Apex Solutions, Inc. | dickc@trinityapex.net | 903-987-8901 | 903-987-8901 |
| Retail Electric Quadrant Alternates | | | | | |
| Distribution Segment | | | | | |
| Keith P. Hock | | Ameren Services Company | | 888-263-7361 | 314-206-0600 |
| Charles Tenorio | | Exelon Energy Delivery | charles.tenorio@exeloncorp.com | 630-684-2802 | 630-684-2830 |
| End User Segment | | | | | |
| Bruce Hayes | | Ohio Consumers Counsel | hayes@occ.state.oh.us | 614-387-2964 | 614-466-9475 |
| Steve Ward | | Office of Public Advocate, State of Maine | stephen.g.ward@maine.gov | 207-287-2445 | 207-287-4317 |
| Services Segment | | | | | |
| Supplier Segment | | | | | |
| Wholesale Electric Quadrant Alternates | | | | | |
| End User Segment | | | | | |
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| Distribution/LSE Segment | | | | | |
| Phil Cox | iou iou | AEP Energy Services, Inc. | epcox@aep.com | 614-583-7505 | 614-324-4598 |
| Tom McGrath | other | Tennessee Valley Authority | tjmcgrath@tva.gov | 423-751-8727 | 423-751-3657 |
| Wendy Weathers | other | Salt River Project Transmission & Generation Dispatching | wdweathe@srpnet.com | 602-236-4376 | 602-262-3808 |
| Bob Williams | muni | Florida Municipal Power Association | bob.williams@fmpa.com | 407-355-7767 | 407-355-5794 |

**NAESB Leadership Roster
As of January 27, 2005**

NAESB Executive Committee & Alternates

| Name | Sub. Seg. | Company | Email | Phone | Fax |
|--------------------------------|------------------|--|------------------------------|--------------------------|--------------|
| Robert Schwermann | muni | Sacramento Municipal Utility District | bschwer@smud.org | 916-732-5519 | 916-732-6436 |
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| William F. Irish | fed | Tennessee Valley Authority | wfirish@tva.gov | 423-751-7994 | 423-751-6128 |
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| Dean Ulch | iou | Southern Company | rdulch@southernco.com | 205-257-6715 | 205-257-6663 |

Retail Gas Quadrant Alternates

DISTRIBUTORS SEGMENT

**NAESB Leadership Roster
As of January 27, 2005**

NAESB Executive Committee & Alternates

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SERVICE PROVIDERS SEGMENT

SUPPLIER SEGMENT

**NAESB Leadership Roster
As of January 27, 2005**

NAESB Gas Electric Coordination Task Force

| Name | Quad. | Company | Email | Phone | Fax |
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| Suzanne Calcagno | RGQ | UBS Energy LLC | suzanne.calcagno@ubs.com | 203-719-4599 | 203-719-7513 |
| Ruth Kiselewich | REQ | Baltimore Gas & Electric Company | ruth.c.kiselewich@bge.com | 410-265-4003 | 410-265-4899 |
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| John Porter | WEQ | Tennessee Valley Authority | japorter@tva.gov | 423-751-2684 | 423-751-3387 |
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**NAESB Leadership Roster
As of January 27, 2005**

| Name | Seg | Company | Email | Phone | Fax |
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| Triage: | | | | | |
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| IR: | | | | | |
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| Technical: | | | | | |

NAESB Leadership Roster As of January 27, 2005

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NAESB Leadership Roster As of January 27, 2005

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| Technical Electronic Implementation Subcommittee: | | | | | |
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| Glossary Subcommittee: | | | | | |
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| Annual Plan Subcommittee: | | | | | |
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| Steve LaFond | e | The Boeing Company | steven.e.lafond@boeing.com | 206-280-4485 | 206-766-5245 |
| Wholesale Electric Quadrant | | | | | |
| Triage: | | | | | |
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| Standards Review Subcommittee: | | | | | |
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**NAESB Leadership Roster
As of January 27, 2005**

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| Operate Within Limits Business Practices Task Force: | | | | | |
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NAESB Leadership Roster As of January 27, 2005

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NAESB Leadership Roster As of January 27, 2005

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| Alternates: | | | | | | |
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